

All meters come with probes/leads

* Web Code: HBK

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Jameco Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	Basic Measurement Functions						Test Functions				Special Functions				Jameco Part No.	Pricing						
						DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Frequency Ranges (Hz)	Temperature Range		Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange		Analog Bargraph	RS-232 PC Interface	True RMS	Size (H" x W" x D")	1	5	
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5 x 6.1 x 1.9	1536843	\$19.99	\$17.95
1928476	BenchPro DT830B	DMM	4	1999	1V	200mV - 1000V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—	—	—	—	—	—	—	—	—	—	—	—	—	5.0 x 2.7 x 1.0	1928476	8.95	7.95
645618	Extech MN35	DMM	5	2000	100μV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—	—	—	-20 to 750	-200 to 1400	✓	✓	✓	✓	✓	✓	✓	✓	5.4 x 3.0 x 1.5	645618	19.99	18.95
1537184	Extech 381676	DMM	5	2000	100μV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	8.2 x 1.5 x 1.1	1537184	44.99	39.95
220812	Mastech M300	DMM	6	2000	1mV	2V - 500V	200V - 500V	200mA	—	2kΩ - 2MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	4.7 x 2.7 x 0.8	220812	10.95	9.95
355207	Velleman DVM850BL	DMM	6	2000	100μV	200mV - 100V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	5.4 x 2.7 x 1.2	355207	17.95	15.95
318781	BenchPro BP-1562	DMM	6	2000	100μV	200mV - 600V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	5.4 x 2.7 x 1.2	318781	10.95	9.95
2131127	Velleman DVM810	DMM	7	2000	1V	200mV - 500V	200mV - 500V	200μA - 10A	—	200Ω - 2MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	3.6 x 1.8 x 1.0	2131127	9.95	8.95
220759	Mastech MAS830L	DMM	7	2000	100μV	200mV - 600V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	5.7 x 3.0 x 1.4	220759	14.95	13.95
2113471	Fluke-87-5	DMM	7	6,000	10μV	0 - 1000V	0 - 1000V	0 - 10A	0 - 10A	0 - 50M	0 - 9999μF	0 - 200K	-200 to 1090	-328 to 1994	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.4 x 1.3	2113471	399.95	—
220741	Mastech MAS838	DMM	8	2000	100μV	200mV - 600V	200V - 600V	.2mA - 10A	—	200Ω - 2MΩ	—	—	-20 to 1000	—	—	✓	✓	✓	✓	✓	✓	✓	✓	5.7 x 3.0 x 1.4	220741	19.95	17.95
318764	BenchPro BP-1415	DMM	8	20,000	10μV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20μF	20k	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.6 x 1.2	318764	59.95	54.95
645626	Extech EX330*	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 10A	.1μA - 10A	.1Ω - 40MΩ	.001nF - 200μF	.001 - 10M	-50 to 1000	-58 to 1832	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.7 x 2.9 x 1.6	645626	59.99	56.95
1581177	Extech EX430	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 20A	.1μA - 20A	.1Ω - 40MΩ	.1nF - 100μF	.001 - 10	-20 to 750	-4 to 1382	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.2 x 2.0	1581177	94.99	89.95
2094127	Extech EX505	DMM	9	4000	10μV	0.1mV - 1000V	0.1mV - 1000V	0.1μA - 10A	0.1μA - 10A	0.1 - 40M	0.01nF - 100μF	0.001 - 9.99M	-20 to 750	-4 to 1382	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.2 x 3.2 x 2.2	2094127	114.99	109.95
1537328	Fluke 115†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999μF	99.99 - 50k	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	6.3 x 3.3 x 1.9	1537328	159.95	—
1537336	Fluke 117*†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999μF	99.99 - 50k	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	6.3 x 3.3 x 1.9	1537336	179.95	—
1939651	Extech EX530	DMM	9	40,000	100μV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40μF	40 - 400	-45 to 750	-50 to 1382	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.2 x 2.0	1939651	219.99	209.95
2118459	RSR MS8229	DMM	10	3999	1V	400mV - 1000V	400mV - 750V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	40μF - 100μF	9.999 - 200k	-20 to 1000	-4 to 1832	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.7 x 3.6 x 2.2	2118459	89.95	79.95
692502	Extech DM110	DMM	10	4000	100μV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 40MΩ	0 - 200μF	0 - 10M	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.3 x 2.2 x 0.5	692502	39.99	37.95
220775	Mastech MY64	DMM	11	2000	100μV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20μF	2k - 20k	-20 to 1000	—	—	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.6 x 1.3	220775	39.95	35.95
645571	Velleman DVM890F	DMM	11	2000	100μV	200mV - 1000V	2V - 700V	2mA - 10A	20mA - 10A	200Ω - 200MΩ	2000pF - 20μF	—	—	-58 to 1832	—	✓	✓	✓	✓	✓	✓	✓	✓	6.7 x 3.5 x 1.5	645571	39.95	35.95
211650	Extech MN26T	DMM	11	4000	100μV	400mV - 600V	400mV - 600V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	4nF - 200μF	10 - 10M	0 to 760	0 to 1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.8 x 2.4 x 1.6	211650	44.99	42.95
117373	BenchPro BP-1949	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF	5 - 50k	-20 to 1000	-4 to 1532	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.7 x 3.6 x 1.6	117373	79.95	69.95
137462	BenchPro MS8226T	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF	5 - 50k	-20 to 1000	-4 to 1532	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.7 x 3.6 x 1.6	137462	99.95	89.95
2173642	Fluke 179/1AC-II KIT#	DMM	11	6000	0.1mV	0.1mV - 1000V	0.1mV - 1000V	0.01mA - 10A	0.01mA - 10A	0.1Ω - 50MΩ	1nF - 9999μF	2 - 100k	-40 to 400	-40 to 752	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.7 x 3.6 x 1.6	2173642	349.95	—
2173634	Fluke 87-5/E2 KIT#	DMM	11	19,999	600mV	600mV - 1000V	600mV - 1000V	600μA - 10A	600μA - 10A	600Ω - 50MΩ	10nF - 9999μF	199.99 - 199.99k	-200 to 1090	-328 to 1994	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.7 x 3.6 x 1.6	2173634	474.95	—
220767	Mastech MY68	DMM	12	3260	100μV	326mV - 1000V	3.26V - 700V	326μA - 10A	326μA - 10A	326Ω - 32.6MΩ	326nF - 32.6μF	32.6k - 150k	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.4 x 3.6 x 1.3	220767	44.95	39.95
192655	Fluke 175	DMM	12	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF	99.99 - 99.99k	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.3 x 3.5 x 1.7	192655	249.95	—
2112532	Extech EX570	DMM	12	40,000	0.1V	0.1mV - 1000V	0.1mV - 1000V	.1μA - 10A	.1μA - 10A	0.01 - 40M	.001nF - 10,000μF	.0001Hz - 40MHz	-45 to 750	-50 to 1382	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.3 x 3.3 x 2.3	2112532	249.99	239.95
185535	Fluke 179†	DMM	13	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF	99.99 - 99.99k	-40 to 400	-40 to 752	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.3 x 3.5 x 1.7	185535	299.95	—
374070	Extech MA220	Clamp	10	4000	100μV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF	5 - 150k	-50 to 1000	-58 to 1830	✓	✓	✓	✓	✓	✓	✓	✓	✓	7.9 x 2.0 x 1.4	374070	109.99	104.95
1585881	Extech EX830§	Clamp	11	4000	100μV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000μF	0.001 - 4k	-50 to 270	-58 to 518	✓	✓	✓	✓	✓	✓	✓	✓	✓	8.5 x 4.3 x 2.0	1585881	219.99	209.95

* With non-contact voltage detector (100-600VAC range)

Kit with accessories included

† With backlight

§ Soft case included



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

JAMECO ValuePro 3 1/2-Digit LED Panel Meter

Easy to setup with no additional components required. This digital panel meter can be used in common ground applications.

- 10-pin connection
- With mounting fascia and super bright LEDs
- Supply voltage: 5V common ground
- User selectable decimal point
- 0-200mV full scale input range
- Dimensions: 2.68"W x 1.3"H x 0.63"D



Part No.	Cross Ref. No.	Description	1	10	25
2144606	CX102B	3 1/2-digit (bezel, screw mount)	\$11.95	\$10.95	\$9.95

* Digital Panel Meters — Enter Web Code WBU

LASCAR electronics Multi-Function Programmable Graphic Displays

3 1/2-digit, bargraph & analog style meter

Customize your 2.4", 2.8" or 3.5" PanelPilot graphic displays in seconds with the simple click of a mouse. Using Lascar's revolutionary PanelPilot software, select from a wide range of customizable meter styles (digital and analog) including touch screen applications as well as more traditional voltmeter apps. Choose colors, text labels, scaling and even display your own logo on power-up.

- Operating voltage: 4-30VDC
- Screw terminal connections
- Free Windows-based configuration software
- Adjustable 0 to 40VDC input
- Programmable via USB interface



Part No.	Mfr. Part No.	Description	1	5
2115354	SGD24-M	2.4", 3 1/2-digit display	\$94.95	\$86.95
2125149	SGD28-M	2.8", 3 1/2-digit display	89.95	84.95
2137924	SGD35-M	3.5", 3 1/2-digit display	129.95	119.95

* 7, 14 & 16-Segment Displays — Enter Web Code PBW



LASCAR electronics Drill Mountable Panel Meters

- Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
- Module size: 1.71"L x 0.84"W

Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measurement Range	1	5	25
2113201	EMV-1125	3 1/2-digit, LCD volt/current meter	.50"	7.5-15VDC	200mV-20V/200µA-200mA	\$32.95	\$29.95	\$27.95
2095040	EMV 1200	3-digit, signal pwr'd, LCD voltmeter	.50"	3-50VDC	4-25VDC	33.95	30.95	27.95
2095058	EMT 1900	3 1/2-digit, LCD thermometer	.50"	4-28VDC	14-122°F	27.95	25.95	24.95
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	32.95	29.95	27.95
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	24.95	22.95	19.95
2116584	V1	3 1/2-digit, LCD voltmeter	.25"	7-12VDC	200mV-20V	16.95	15.95	14.95

* Web Code: WBU

EXTECH INSTRUMENTS Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Over range & low battery indicators
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Capacitance ranges: 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- Resis. ranges: 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ



Part No.	Mfr. Part No.	1	5
1939685	RC100	\$64.99	\$61.95

JAMECO ValuePro 50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Cross Ref. No.	1	5	25
162309	ST-50	\$34.95	\$29.95	\$26.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro LCD Digital Panel Meters

- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5%
- Supply volt.: 8-12VDC (recommend 9V battery P/N 151095, pg 117)
- 1% resistors available (recommend P/N 2076121, see web)
- Size: 2.7"W x 1.7"H
- Automatic polarity indication



Part No.	Product No.	Description	1	10	25
2131135	PMLCDL	3 1/2-digit	\$7.95	\$7.49	\$6.95
2152323	DFR0130-B	3-digit LED (4.5V-30V w/ 1% accuracy)	9.95	8.95	7.95
108388	PM-428	3 1/2-digit (no bezel, snap mount)	9.95	8.95	7.95
175951	PM-128	3 1/2-digit (bezel, screw mount)	12.95	11.65	10.49
146835	PM-188BL	3 1/2-digit (with backlight display)	14.95	13.45	11.95
123140	PM-328	4 1/2-digit (bezel, screw mount)	29.95	26.95	24.25

Cannot use in common ground app. † Only the PM ports * Mfr.: 2131135: Velleman; 2152323: DFRobot

wellmann Analog Panel Meters

- Includes mounting hardware
- 316507: Includes current shunt

Part No.	Product No.	Range	Size (W" x H" x D")	1	10
316603	AVM6015	0 - 15VDC	2.4 x 1.8 x 1.3	\$9.95	\$8.95
2162863	820225	0 - 15VDC	2.4 x 2.4 x 1.4	6.95	6.25
316671	AVM7015	0 - 15VDC	2.8 x 2.4 x 1.4	9.95	8.95
316638	AVM6030	0 - 30VDC	2.4 x 1.8 x 1.3	9.95	8.95
316654	AVM7030	0 - 30VDC	2.8 x 2.4 x 1.4	9.95	8.95
316718	AVM60150	0 - 150VAC	2.4 x 1.8 x 1.3	7.95	6.95
316785	AVM60300	0 - 300VAC	2.4 x 1.8 x 1.3	6.95	6.49
315301	AIM60005	0 - 50µA	2.4 x 1.8 x 1.3	9.95	8.95
316523	AIM6050	0 - 50mA	2.4 x 1.8 x 1.3	8.95	7.95
316486	AIM60100	0 - 100mA	2.4 x 1.8 x 1.3	9.95	8.95
316558	AIM60500	0 - 500mA	2.4 x 1.8 x 1.3	9.95	8.95
316566	AIM60500	0 - 5A	2.4 x 1.8 x 1.3	9.95	8.95
316582	AIM705000	0 - 5A	2.8 x 2.4 x 1.4	7.95	6.95
316494	AIM6010A	0 - 10A	2.4 x 1.8 x 1.3	9.95	8.95
316507	AIM6030A	0 - 30A	2.4 x 1.8 x 1.3	12.95	11.65

* Web Code: YBQ



Test/Tools

EXTECH INSTRUMENTS Kill A Watt™ Energy Consumption Meters

EXTECH INSTRUMENTS Kill A Watt™ Energy Consumption Meters

These meters let you measure exactly how much energy an appliance consumes in your home. This allows you to calculate costs, check the quality of your power, and make your home more efficient.

- Maximum power: 1875VA
- Maximum voltage: 125VAC
- Maximum current: 15A
- Displays volts, amps, watts, Hz, VA, KWH



- Programmable on/off function for saving energy
- Combination multi-event 7 day/24 hour timer and electric consumption meter

Part No.	Mfr. Part No.	Size (H x W x D)	1	5
2075946	P4400	5.1" x 2.4" x 1.6"	\$29.95	\$26.95
2193432	P4482	5.4" x 2.8" x 2.8"	59.95	54.95



* Environmental Meters — Enter Web Code EMT

Environmental Meters, Testers & Lab Centers

FLUKE

EXTECH
INSTRUMENTS

JAMECO BenchPro

Environmental Meters & Testers

When you're out in the field, there are plenty of places where measurements need to be taken, but the challenge lies in physically getting to the area to take the measurement. This line of environmental meters and testers can make testing much simpler, like our infrared thermometers that can take temperatures from further distances without having to make contact. These products measure everything from air velocity to temperature, speed, light and electromagnetic fields. If there's a measurement to be taken, these tools can do the job.



F of V: Field of View (Distance to target)

*Web Code: EMT

Part No.	Manufacturer	Product No.	Description	1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp. (-31 to 446°F) F of V 1:1	\$39.99	\$34.95
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp. (-58° to 518°F) F of V 6:1	59.99	54.95
2112541	Extech	42510A	Thermometer, wide range mini IR, 12:1 compact thermometer w/ laser pointer (-58 to -1200°F/-50 to -650°C) 12:1 Compact IR	99.99	94.95
2173651	Fluke	FLUKE-62 MAX	Thermometer, infrared handheld, measures temp. (-22° to +932°F), IP54 rated, laser pointer, distance to spot size ratio 10:1	99.95	—
214480	Fluke	FLUKE-52-2	Thermometer, measures temp. large backlit dual display, dust splash resistant (-328° to 2501°F)	324.95	—
2137043	Velleman	PMTEMP1	Thermometer, digital panel mount with 3 1/2 digit LCD, measures temp. (-58° to +158°F), sensor cable length: 10 feet	12.75	12.25
198045	Extech	445703	Thermometer, Digital Hygro/Humidity Meter w/ Indoor Readings, measures temp. (14° to 140°F) & RH (10-99%),	42.99	37.95
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35' cable, temp. (14° to 140°F) & RH (10-99%)	45.99	39.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp. (0° to 122°F) & air velocity (1.1 to 62.5mph)	114.99	109.95
131764	BenchPro	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	259.99	244.95
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.99	85.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	89.99	84.95
145710	BenchPro	256551	Modular Cable Tester, tests 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA568A/568B, & Token Ring cables, Tests for: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters and 9V battery	59.95	53.95
2130749	Velleman	VTLAN4	LAN tester, tests RJ-45, 10 Base-T, Token Ring, RJ11/12 cables, network, telephone, and most types of computer cables	14.95	13.49
14285	BenchPro	RS232	RS232 Line Tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	9.95	8.95

Velleman 3-in-1 Lab Center

Digital Multimeter:

- 3-1/2 backlit LCD
- Automatic polarity indication
- **DC voltage ranges:** 200mV to 600V
- **AC voltage ranges:** 200V to 600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron
- Temperature range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	\$144.95	\$139.95

Velleman 3-in-1 Lab Center

Oscilloscope:

- 10MHz bandwidth
- Real-time sampling rate up to 40MS/s
- Readouts: DC, DC+AC, True RMS, dBm, Vpp, Min-Max. • White LED backlight

Function Generator:

- DDS type generator • DAC resolution: 10 bits
- Frequency range: 1Hz to 1MHz
- Waveforms: sine, square, triangle
- Sweep function with bi-directional option

Power Supply:

- Fixed output voltages: 3V, 5V, 6V, 9V, 12V (±5%)
- Peak output current: 1A
- LED output overload indicator

Includes: Scope probe, RCA adaptor, user's manual and AC cord

Part No.	Mfr. Part No.	1	5
2120840	LAB20	\$229.95	\$209.95

Uni 4-in-1 Lab Center

This kit combines 4 different functions in one instrument for easy and compact measurement and testing.

DDS Function Generator:

- Freq. range: 0.1Hz-10MHz
- Wave outputs: Sine, Square, Triangle, Pulse, TTL output

Frequency Counter:

- Channel A: 1Hz-110MHz
- Channel B: 100MHz-2.7GHz

DC Power Supply:

- Adjust. volt. output: 0-30V / 0-3A
- 3 fixed voltage outputs: ±15V/1A, +5V/2A

Digital Multimeter:

- 50 measurement functions
- Max. AC/DC volt.: 1000VDC/750VAC
- Max. DC/AC curr.: 20A • Resis. range: 0.1Ω-80MΩ
- Capacitor range: 1pF-100µF
- Temp. range: -50°C~-1372°C (-58°F ~ 2502°F)
- RS-232 interface for possible PC communication

Includes: Power cord, test leads, fuses, temperature probe, RS-232 cable for DMM, user's manual

Part No.	Mfr. Part No.	1	5
2135814	US-9170A	\$999.95	\$949.95

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Function Generators, Oscilloscopes & Probe Sets

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Function Generators

NEW
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SKMI UMI INSTEK

* Web Code: DEJ



Part No.	Manufacturer	Mfr. Part No.	Features	Bandwidth	# of Waveform Types	Size (in.)	Wt. (lbs.)	Includes*	Price
229251	Instek	GFG-8020H	Built-in 4-digit counter with CMOS output	2MHz	5	9.1 x 3.7 x 11.0	4.6	1, 2, 3	\$214.95
2145650	Uniteq	FG-8102	4-in-1 sweep/function/pulse generator & frequency counter	2MHz	8	9.5 x 10.6 x 3.7	5.5	1, 2, 3, 4	279.95
2160411	Instek	SFG-1003	DDS with FPGA design & 6-digit LED display	3MHz	4	9.9 x 3.6 x 11.5	4.6	1, 2, 3	174.95
685329	SKMI	SK-3000	Rotary switch w/ positive/negative pulses	3MHz	6	10.5 x 3.9 x 11.2	6.6	1, 3	209.95
229260	Instek	GFG-8216A	Built-in 6-digit counter with INT/EXT function	3MHz	6	9.9 x 3.6 x 11.5	4.6	1, 2, 3	244.95
2112831	SKMI	SK5200	Rotary switch control w/ built-in 60MHz counter	5MHz	6	11.8 x 3.5 x 10.8	5.5	1, 3	279.95
2171663	Uniteq	FG-8105	4-in-1 sweep/function/pulse generator & frequency counter	5MHz	8	9.5 x 10.6 x 3.5	6.2	1, 2, 3, 4	329.95
2145668	Uniteq	FG-8110	4-in-1 sweep/function/pulse generator & frequency counter	10MHz	8	9.5 x 10.6 x 3.5	6.6	1, 2, 3, 4	379.95
2145617	Uniteq	DFG-1010	DDS with frequency counter, RS-232 interface, 3.5" TFT	10MHz	32	14.4 x 10.2 x 4.3	6.6	1, 2, 3, 5	449.95
2145609	Uniteq	DFG-1020	DDS with frequency counter, RS-232 interface, 3.5" TFT	20MHz	32	14.4 x 10.2 x 4.3	6.6	1, 2, 3, 5	549.95

* 1. Power cord 2. BNC cable 3. User's manual 4. Fuse 5. RS-232 cable

Oscilloscopes

PARALLAX

OSCISIUM

VELLEMAN

SKMI

EXTECH

FLUKE

UMI

* Web Code: RCG



Part No.	Manufacturer	Mfr. Part No.	Bandwidth	Features	Size (in.)	Wt. (lbs.)	Includes	Price
2136518	Parallax	32220	—	Propscope, 2-channels, 25MSa/s, built-in expansion port, software for multiple test equipment	4.7 x 2.7 x 1.1	1.0	2 probes (x1/x10), USB cable, DAC expansion card	\$199.95
2160534	Oscium	IMS0-104	5MHz	Mixed signal scope for iPad, iPhone, and iTouch; 12MSa/s, 1 analog channel, 4 digital channels	1.6 x 2.2 x 0.4	0.39	Test probe (x1/x10), harness (4 digital +1 ground), SMD grabbers	299.95
2127339	Velleman	HPS1401	10MHz	Handheld pocket size, 40MSa/s, hold/store function, autorange, 6 hours on single charge	2.9 x 4.5 x 1.1	0.91	NiMH rechargeable battery pack, test probe (x10), USB charger	189.95
2137422	Velleman	PCSGU250	12MHz	All-in-One PC lab with o-scope, spectrum analyzer, recorder, function generator, bode plotter	2.2 x 8.2 x 7	2.1	Scope probe, BNC-to-RCA adaptor, USB cable, CD software, manual	249.95
2138468	Extech	MS420	20MHz	2-Channel, 3.8" color LCD, auto setup, X-Y mode, FFT, and store/recall functions, USB interface	4.4 x 7.0 x 1.6	6.7	2 probes (x1/x10), test leads, USB cable, charger, carrying case	949.00
160661	Fluke	FLUKE-123/003	20MHz	Industrial scopemeter, 2-channel, RS-232, saves 10 waveform screens, TrendPlot recorder	4.5 x 9.1 x 2.0	5.5	NiCd battery pack, charger, leads, clips, user's manual	1,499.95
2128294	Velleman	HPS50	40MHz	Handheld, 40MSa/s, adjustable trigger, USB output, auto setup, high resolution: 192x112	4.3 x 6.9 x 1.6	2.8	Li-Ion battery, charger, 1 test probe (x1/x10), USB cable	374.95
1536886	SKMI	SK0404	40MHz	2-Channel scope with built-in 5MHz function generator, 6" CRT display, 20Vp-p output	15.7 x 5.2 x 12.8	23.8	2 test probes (x1/x10), BNC cable, AC cord, spare fuse	649.95
1586200	Arctic	SK0409	40MHz	2-Channel scope with built-in 5MHz function generator and frequency counter	15.7 x 5.2 x 12.8	23.8	2 test probes (x1/x10), BNC cable, AC cord, spare fuse	699.95
695017	Velleman	PCSU1000	50MHz	2-Channel USB PC scope, auto setup, with spectrum analyzer/transient recorder test functions	2.2 x 8.2 x 7	2.9	Two 60MHz scope probes, USB cable, user's manual, CD software	449.95
2171655	Uniteq	DS-1065	60MHz	2-Channel, 500MSa/s, built-in delay sweep function, 320x240 pixel high-resolution 5.7" display, USB storage	11.8 x 5.9 x 5.1	8.0	2 probes, DB9 cable, USB cable, power cord, user's manual, CD software	599.95
2170345	Extech	MS6060	60MHz	2-Channel, one-touch automatic setup, 23 automatic measurements, built-in FFT function	9.6 x 6.4 x 2.0	5.5	Li-Ion battery pack, charger, 2 test probes (x1/x10), carrying case	1,599.00

Oscilloscope Probe Sets

JAMECO BenchPro

NEW
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POMONA

VELLEMAN

EZ DIGITAL

* Web Code: RAC



Part No.	Manufacturer	Mfr. Part No.	Bandwidth	Attenuation Ratio	Description	Length (ft.)	1	5
2130781	Velleman	PROBE60S	60MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	\$13.95	\$12.49
2145342	EZ Digital	T5060	60MHz	1:1 or 10:1	300VDC max.	4	19.95	—
22892	BenchPro	LF101E	60MHz	1:1 or 10:1	600VDC max.	5	24.95	22.49
2189880	BenchPro	P6100*	100MHz	1:1 or 10:1	600VDC max.	4	19.95	17.95
2130618	Velleman	PROBE100	100MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	20.95	18.95
156451	Pomona	4550B	100MHz	1:1 or 10:1	IEC-1010-2-031 CAT I, 300V max	4	64.95	59.95
2130482	Velleman	PROBE250	250MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	34.95	32.95
236777	BenchPro	HP-9250	250MHz	1:1 or 10:1	600VDC max.	5	39.95	35.95
2174688	EZ Digital	T5300	300MHz	1:1 or 10:1	600VDC max.	4	69.95	—

* 2 probes included

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

80,000-Count Benchtop Digital Multimeter

This benchtop multimeter not only provides voltage and current measurements, but also basic resistance, frequency, continuity and diode test functions.



- Large dual-display LCD with analog bar graph
- 50 measurement functions including capacitance, frequency, temperature
- 18 types of frequency up to 80MHz, with 0.1%-99% duty cycle
- Simultaneous measurement: (AC+DC, AC+Hz, DC+dBm, °C+°F, etc.)
- Auto data update and refresh, auto data hold, auto peak hold • RS-232 interface
- 36-hour dynamic record: MAG, MIN, AVG, MAX-MIN, setting upper & lower limit, timing measurement
- Frequency requirement: 110/220VAC @ 50/60Hz
- Input: 115VAC or 230VAC @ 48-60Hz
- Size: 10.2"W x 8.7"D x 3.2"H

Includes: Test leads, thermocouple and user's manual

Part No.	Mfr. Part No.	Wt. (lbs.)	Price
2145748	DM-1150B	3.1	\$349.95

*Digital Multimeters — Enter Web Code HBK

2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range and gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100 msec. to 10 sec.
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H • Weight: 3.5 lbs.



Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	\$149.95	\$134.95

1.5GHz 3-Channel Universal Counter

- 0.1Hz to 100MHz in A, B input
- 80MHz to 1.5GHz in C input
- RS-232C serial interface
- 9-digit LED display
- 10:1 input attenuation
- Slope mode selectable
- Period and total measurement
- Time interval and ratio measurement
- Trigger level adjustment
- Size: 9.4"W x 10.6"D x 3.5"H • Weight: 6.2 lbs.



NEW
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Includes: Power cord, BNC cable, fuse and user's manual

Part No.	Mfr. Part No.	Price
2145713	FC-8150U	\$349.95

*Frequency Counters — Enter Web Code VCG

20MHz & 30MHz 2-Ch Oscilloscopes

- 6" rectangular CRT with internal graticule
- High sensitivity X-Y mode
- Sensitivity: 1mV/div
- Sweep magnification (x10)
- 400V maximum input voltage



Includes: User's manual, 2 spare fuses, power cord

Part No.	Mfr. Part No.	Bandwidth	Price
2145220	OS-5020	20MHz	\$395.95
2145238	OS-5030	30MHz	495.95

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold:
 - Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC



Part No.	Cross Ref. No.	1	5	25
149930	LP3500	\$39.95	\$35.95	\$32.95

DV3100 Digital Logic Analyzer

From a new aluminum case to advanced triggering, adjustable threshold, more memory and a wider voltage range, the new DV3100 is the best value in portable logic analyzer.



- 18 channels @ 100MHz (10ns)
- Automatic real time hardware compression (Tri-mode)
- Eliminates res. vs. depth tradeoffs
- +0.5 to +2.8V adjust. threshold
- Ground current protection ±12V
- USB 2.0 & 1.1 compatible

Includes: All cables, clips (quantity 20) and software

Part No.	Mfr. Part No.	1	5
2115776	DV3100	\$474.95	\$424.95

8 & 16-Ch Logic Analyzers

Monitoring signals has never been easier with these 8 and 16-channel logic analyzers that are able to save as many as 10 billion samples! Features a small design, an average input voltage of 3.5V, USB 2.0 connection, as well as over-voltage and ESD protection.



- Compatible with Windows®, Linux, Mac OS
- Sample rate:
 - 2143427: 24MHz each channel
 - 2143451: 100MHz (2-ch), 50MHz (4-ch), 25MHz (8-ch), 12.5MHz (16-ch)

Includes: Logic analyzer, flexible test lead set, micro-hook clips, USB cable and custom carrying case

Part No.	Description	Size (L" x W" x H")	1	5
2143427	8-channel	1.7 x 1.7 x 0.36	\$149.95	\$139.95
2143451	16-channel	3.1 x 3.1 x 0.39	299.95	284.95

80-Watt Switching Mode DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Remote sensing for accurate applied voltage at load point
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Front and rear output terminals
- Size: 5.0"W x 2.1"D x 13.0"H • Weight: 4.2 lbs.

3 in 1



Part No.	Mfr. Part No.	1	5
1939600	382260	\$269.99	\$254.95

Triple Output Benchtop Power Supplies

Channel 1: 0-30V @ 3A (2145772: 5A)
Channel 2: 0-30V @ 3A (2145772: 5A)
Channel 3: 2.5/3.3/5V selectable @ 3A

- Two independent adjustable outputs: One fixed output
- USB interface
- Min. resolution: 100mV/10mA
- 4 sets of panel settings save and recall
- Panel lock function, output standby function
- Preset voltage, current and password
- Constant voltage, constant current, low ripple and noise, low temperature drift
- Tracking parallel and tracking serial to be set inside the instrument
- Protection: Over-voltage, over-current, overload, over-temperature, short-circuit, current limiting, reverse-polarity • Size: 11.8"W x 8.66"D x 5.83"H



Part No.	Mfr. Part No.	Wt. (lbs.)	Price
2145781	PS-3303U	19.4	\$449.95
2145772	PS-3305U	20.4	499.95

108W Desktop Power Supply

- Load regulation: ±2% • Line regulation: ±5%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Efficiency (typical): 81%
- Ripple and noise maximum: 120mVp-p
- Front panel on/off switch and 3 color LED loading indicator
- Voltage adjustment range: 12-15VDC
- Short-circuit/overload/ overvoltage/ overtemperature protection
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H • Weight: 3.3 lbs.



Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5	\$44.95	\$39.95

ATX Power Supply Tester

- Tester for ATX power supply outputs to indicate pass or fail
- 24-pin ATX connector
- 4-pin HDD/ floppy drive connector, and 6-pin/8-pin P4 connector on the other side
- Tests +3.3V, ±5V, ±12V, +5VSB and PG
- LED indicators with on/off switch



Part No.	Mfr. Part No.	Color	1	5
2119988	E77CEZCE38L	Black	\$12.95	\$11.49

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

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Benchtop & Precision Power Supplies

3 LEVELS OF SAVINGS
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JAMECO BenchPro

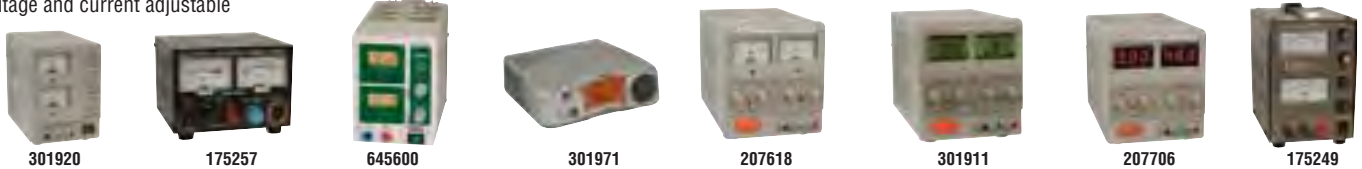


Single Output Benchtop Power Supplies



* Web Code: SAX

- Voltage and current adjustable



Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing		
											1	5	5
301920	Mastech	HY1503C	15/3	45	2-Analog	115 ±10%	Y	N	3.8 x 6.3 x 9.1	9	\$99.95	\$89.95	
2130378	Velleman	PS1503SBU	15/3	45	2-Digital LCD (3.5)	220 @ 50Hz	Y	N	8.4 x 6.0 x 3.8	6.7	99.95	94.95	
175265	BenchPro	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	124.95	119.95	
175257	BenchPro	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	159.95	144.95	
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.99	132.95	
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.99	122.95	
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95	
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	144.95	
207618	Mastech	HY3005C	30/5	150	2-Analog	115 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95	
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95	
207626	Mastech	HY3010C	30/10	300	2-Analog	115 ±10%	Y	N	10.4 x 6.5 x 14.4	31	259.95	229.95	
207635	Mastech	HY3010	30/10	300	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95	
207686	Mastech	HY3020	30/20	600	2-Digital LED (4)	115 ±10%	Y	N	10.4 x 6.5 x 14.4	42	499.95	449.95	
207694	Mastech	HY5002	50/2	100	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	169.95	149.95	
163723	BenchPro	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	134.95	119.95	
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	13	209.95	189.95	
301938	Mastech	HY3005	30/5	195	2-Digital LED	115/230 ±10%	Y	N	11.5 x 5.25 x 6.25	10	174.95	159.95	
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	17	229.95	209.95	
175249	BenchPro	DPS50050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95	



Multiple Output Benchtop Power Supplies

These benchtop power supplies are a must for every laboratory. They sit out of the way of your workspace and stay ready to supply power at all times. Single and multiple outputs are available for your specific laboratory needs. Standard banana input plugs provide easy connections, and precision adjustment knobs provide exact power outputs for all your projects. For more information, visit www.Jameco.com.



- Voltage and current adjustable

* Web Code: SAX



Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays (Digits)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing		
											1	5	5
211722	Mastech	HY3002-2	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	23	\$199.95	\$189.95	
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	23	224.95	199.95	
211693	Mastech	HY3003D-2	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95	
211731	Mastech	HY3003-2	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95	
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	26	279.95	249.95	
301947	Mastech	HY3005D-2	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	26.5	309.95	279.95	
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	29	249.95	224.95	
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95	
2145828	Unitech	PS-2303	0-30/3; 0-30/3; 5/3	195	110-120 @ 50-60Hz	4-Digital LED (3.5)	Y	Y	9.6 x 5.5 x 13.6	17.6	324.95	299.95	
301955	Mastech	HY3005D-3	0-30/5; 0-30/5; 5/3	195	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	349.95	314.95	
2145801	Unitech	PS-3303	0-30/3; 0-30/3; 5/3	195	110/220 @ 50/60Hz	4-Digital LED (3)	Y	Y	11.8 x 8.7 x 5.8	11.1	349.95	—	
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.99	189.95	
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.99	159.95	
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110-127/220-240 ±10%*	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	459.99	434.95	

* Selectable

JAMECO BenchPro

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5" 8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 128 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

* Web Code: YEH



Part No.	Manufacturer	Cross Ref. No.	Power (W)	Output Volts @ Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	Pricing		
									1	5	25
138668	BenchPro	38-381	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	\$64.95	\$59.95	\$54.95
138676	BenchPro	52-192012	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test Leads, Cables, Plugs, Clips & Posts



Test Leads and Cables

NEW
MARKED IN PINK

* Web Code: RAC



Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	\$16.25	\$15.49	\$14.75
159880	Pomona	2249-C-60	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	19.95	18.95	17.95
2113877	Pomona	3957	BNC male to Multi-Stacking banana plugs (2nd End)	1.55	15.95	15.25	14.49
176971	Pomona	4532-C-36	BNC male to Mini alligator clips w/ strain relief, RG58C/U, 50Ω, 20AWG, blk	36	19.95	17.95	16.95
11384	BenchPro	GCA26-R	BNC male to Alligator clip, RG58/U, black	23	4.49	3.95	2.95
11464	BenchPro	05-A-078-R	BNC male to Mini-clip test lead, RG174A/U, black	39	4.49	3.95	3.59
11422	BenchPro	05-A-081-R	BNC male to Micro-clip test lead, RG174A/U, black	39	4.25	3.95	3.59
2097150	Pomona	5187-C-36	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	19.95	18.95	17.95
176954	Pomona	5187-K-36	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	28.95	26.95	24.95
256832	BenchPro	CBB-069	BNC female to pigtail, 20 AWG, 2 wire, 1 black, 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070	BNC male to pigtail, 20 AWG, 2 wire, 1 black, 1 red	9	5.49	4.95	4.49
2113869	Pomona	3788	BNC female Minigrabber test clips (2nd end)	2.56	11.95	10.95	10.49
2158477	BenchPro	FC16A	Probes w/ right angle banana, screw on alligator clips, 1 black, 1 red	40	8.95	7.95	6.95
212222	Probe Master	8043S	Softie test probe leads, 10-pc. set, interchangeable tips, 18 AWG, 1 blk, 1 red	48	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk, 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black, 1 red	36	8.95	7.95	6.95
2113914	Pomona	5953A	Adjustable tip test probe set, tip adjusts up to 3", 1 black, 1 red	48	25.95	22.95	21.95
155951	Pomona	5519A	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk, 1 red	48	15.49	13.95	13.25
1814153	Pomona	1166-48-0	Multi-stacking banana plug to alligator clip, black	48	6.25	5.75	5.25
77738	BenchPro	GF19-R	Protected banana style multimeter test leads, 1 black, 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-R	Standard banana style multimeter test probes, 1 black, 1 red	42	7.49	6.75	5.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36), 10-pc. assorted colors	21	4.95	4.49	3.95
2185483	BenchPro	GAL02	Alligator clip test leads, 24 AWG, 1 black, 1 red	21	1.95	1.69	1.49
159901	Pomona	B-24-02	Stackable banana patch cords, 18 AWG, 1 black, 1 red	24	10.25	9.75	9.25
159919	Pomona	B-36-02	Stackable banana patch cords, 18 AWG, 1 black, 1 red	36	10.25	9.75	9.25
77842	BenchPro	KLN-4-25/H-R	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	26.95	23.95	20.95
1814137	Pomona	1166-12-0	Alligator clip to stackable banana plug, 18 AWG, black	12	5.75	5.25	4.75
1814145	Pomona	1166-12-2	Alligator clip to stackable banana plug, 18 AWG, red	12	5.75	5.25	4.75
1814161	Pomona	1166-48-2	Alligator clip to stackable banana plug, 18 AWG, red	48	6.25	5.75	5.25
2192456	BenchPro	AC-SB-36	Alligator clip to stackable banana plug, 20 AWG, 1 black, 1 red	36	7.95	6.95	6.25
2192464	BenchPro	TC-BL-36	Test clip to Banana plug, 20AWG, 1 black, 1 red	36	7.95	6.95	6.25
107423	BenchPro	GCA340-R	Double banana plug to alligator clip test leads, 1 black, 1 red	36	3.95	3.59	3.19
21857	BenchPro	05-A-082-R	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-R	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
2189601	ValuePro	3782-36-02JVP	Mini-clip to stackable banana test leads, 1 black/ 1 red	39	6.95	6.25	5.59
159899	Pomona	3782-36-02	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black, 1 red	36	12.95	11.95	11.25
135299	BenchPro	SF-207A-R	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
156495	Pomona	5523-R	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	43.95	41.95	39.95
2183998	Gripn-On	67340	4 slot magnetic test lead/workshop tool holder, steel (red)	5.75	5.95	5.49	4.95
159585	Pomona	2708B	9 slot test lead holder, accepts RG213 & RG214 wire sizes (blue)	11	12.95	12.25	11.49
155977	Pomona	4408	10 slot test lead holder, accepts RG659 & RG108 wire sizes (black)	11	10.95	9.95	9.49
155969	Pomona	1508	14 slot test lead holder, accepts RG58 & RG142 wire sizes (orange)	11	12.95	11.95	11.49



Test Clips, Plugs and Posts

* Web Code: TLC



Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
71240	BenchPro	GIP-003-R	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	\$1.65	\$1.49	\$1.35
77691	BenchPro	GIP-001-R	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.75	1.59	1.39
1818779	Pomona	3760-0	Binding post, accepts banana, wire, or spade lug, black	1.78 L x .44 Dia.	4.95	3.95	3.25
1818787	Pomona	3760-5	Binding post, accepts banana, wire, or spade lug, green	1.78 L x .44 Dia.	4.95	4.49	3.95
2127742	Pomona	3760-2	Binding post, accepts banana, wire, or spade lug, red	1.78 L x .44 Dia.	3.75	3.49	3.25
1582188	Keystone	6092	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.59	1.39	1.25
1582170	Keystone	6091	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.39	1.29	1.19



Continued on next page

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Test Clips, Plugs and Posts (Continued)

More images on previous page

* Web Code: TLC

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
2168528	BenchPro	0584-BLK	Banana jack, chassis mount, solder tab, tin-plated, black	0.91 L x .43 Dia.	\$1.09	\$.99	\$.89
2168536	BenchPro	0584-RED	Banana jack, chassis mount, solder tab, tin-plated, red	0.91 L x .43 Dia.	1.09	.99	.89
256779	BenchPro	R1-17-BLK-R	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	6.95	6.25	5.75
125197	BenchPro	GBRR2-R	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-R	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.29
137526	BenchPro	HP-2234P-R	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	3.49	2.99	2.49
159855	Pomona	1325-02-R	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x 1.17 Dia.	3.35	3.19	2.95
159863	Pomona	1825-02-R	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	3.65	3.45	3.25
125210	BenchPro	GBRR4-BLK-R	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	1.75	1.55	1.49
159927	Pomona	MDP-02-R	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.75	5.49	5.19
11440	BenchPro	03-701A-R	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.49	4.95	4.49
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.49	3.95
99355	BenchPro	GB2BN2-R	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.49	3.95
114810	BenchPro	G2P004-R	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-R	Micro test clip, blue	1.7 L	.75	.69	.59
114818	BenchPro	G2P002-R	Mini test clip, 1 black, 1 red	3.5 L	2.49	2.25	1.95
248921	BenchPro	SF101CP-R	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.35	.29
248939	BenchPro	SF-103CP-R	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.55	.49	.45
256525	BenchPro	SF105B-R	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
2177969	NTE	72-185-0-R	Alligator clip, black insulated handle, 0.31" jaw opening	2.23 L	.95	.85	.75
2177951	NTE	72-185-02-R	Alligator clip, red insulated handle, 0.31" jaw opening	2.23 L	.95	.85	.75
70991	BenchPro	GIP006-R	Insulated alligator clips, 1 black, 1 red	2.3 L x 5.0 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
248972	BenchPro	SF103SV-RD-R	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1581986	Keystone	5001-R	PCB mini test point, looped, black, 0.100ID eyelet	.30L x .09 Dia.	.29	.25	.19
1582065	Keystone	5012-R	Looped color coded test point, white	.45 L x .063 Dia.	.29	.25	.19



JAMECO BenchPro Test Lead Starter Kit

This kit includes our top selling test leads at a reduced price.

Includes one of each:

- BNC female-to-pigtail cable (P/N 256832)
- BNC male-to-pigtail cable (P/N 2097555)
- BNC male-to-alligator clip (P/N 11384)
- BNC male-to-mini clip (P/N 11464)
- BNC female-to-micro clip (P/N 11422)
- Mini clip to stackable banana test leads (P/N 21857)
- Double banana plug to alligator clip test leads (P/N 107423) • Protected probes (P/N 21865)
- Protected multimeter test leads
- Standard banana-style multimeter test leads (P/Ns 77738/77746) • Anti-static wrist strap (P/N 34552)

* Web Code: TLC

Part No.	Description	1	5
2113236	Test lead starter kit	\$39.95	\$36.95

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter • Compact carrying case
- T-10, T-15, and T-20 Torx bits • Driver handle
- 3" extension bar for 1/4" drive • Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	5	25
170069	26-pc. SAE tool set	\$15.95	\$14.49	\$12.95

JAMECO BenchPro 40-Piece Electronic Tech Tool Kit

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - 10-pc screwdriver set
 - T10-T25 reversible – Torx screwdriver bits
 - Potentiometer alignment tools
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - Extra long 3-claw parts holder
 - IC inserter with pin straightener – IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	\$24.95	\$22.49	\$19.95

JAMECO BenchPro 51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - Scissors
 - 7-piece hex key set
 - PVC insulated tape
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 2 Needle files
 - 3-piece soldering aid kit
 - Desoldering pump
 - 6-piece electronic screwdriver set
 - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 12.2 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	\$119.95	\$109.95

65-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation, all in a handsome lockable case with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers – Storage box
 - Wrench – 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - 10-piece screwdriver set – Brush
 - Crimping tool – Oil can – Desolder wick
 - 6-piece screwdriver set – Desolder pump
 - Testing screwdriver – 5-piece file set
 - IC extractor – Flashlight – Alignment tool
 - 6-piece wrench set – 7-piece hex set
 - 3-prong holder – Hammer – Tweezers
 - Measuring tape – Heat sink – Scissors
 - Solder core – PVC insulated tape
 - Utility knife (3 blades) – Part tube
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.9 lbs.

Part No.	Description	1	5
218245	65-piece tool kit	\$179.95	\$169.95

* Tool Kits — Enter Web Code CAA

JAMECO BenchPro Aluminum Tool Case

Made of lightweight aluminum, this tool case is designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"H
 - Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom
- | Part No. | Description | 1 | 5 |
|----------|---------------------|---------|---------|
| 261877 | Tool/equipment case | \$49.95 | \$44.95 |

JAMECO BenchPro 100-Piece Professional Electronics Tool Kit

- Kit includes:
 - Soldering iron
 - 12 screwdrivers
 - 7-piece hex key set
 - Extractor
 - 4 Pliers
 - Adjustable wrench
 - Crimper/Stripper
 - 6-piece screwdriver set
 - 3-piece soldering aid kit
 - Flashlight
 - Desoldering pump
 - Multimeter
 - Tweezers
 - 5-piece file set
 - 10-piece wrench set
 - Voltage tester
 - 2 bottles cleaning liquid
 - Blade cutters
 - Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 20 lbs.



- Vise
- Brush
- Soldering stand
- Solder pen
- Cutters
- Storage box
- Tape
- Wrist strap
- Vacuum cleaner
- Scissors

Part No.	Description	1	5
242851	100-piece tool kit	\$149.95	\$134.95

12-Piece Fiber Optic Tool Kit



NEW MARKED IN PINK

- Kit includes:
 - SC polishing disk
 - Fiber optic crimping tool
 - Fiber optical tools
 - Foam swabs cleaning kit
 - Utility component storage box
 - Fiber optic 100x-200x viewing scope kit
 - Universal syringe 2.5mL
 - ST polishing disk
 - Side cutter 125mm
 - Carbide fiber scribe
 - Carrying zipper bag
 - Fiber optic kevlar cutter
- Size: 11.0"L x 7.8"W x 2.8"D



Part No.	Description	Weight	Price
2193491	Fiber optic tool kit	3.5 lbs.	\$169.95

116-Piece Tech Service Tool Kit

- Kit includes:
 - Storage box
 - 8 pliers
 - Tweezers
 - Spring hook
 - 3-piece soldering aid kit
 - Desoldering pump
 - 3-piece alignment tool set
 - Diagonal cutter
 - Soldering iron
 - Forceps
 - 9-piece screwdriver set
 - Wire stripper
 - 5-piece file set
 - Flashlight
 - 3-prong holder
 - PVC insulated tape
 - Heat sink
 - Measuring tape
 - 6-piece electronic screwdriver set
 - 40-piece socket & screwdriver set
 - 10-piece electronic wrench set
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.



- Drill
- Desoldering wick
- Brush
- Crimping tool
- Extractor
- 7-piece hex key set
- Hammer
- Solder core
- Wrist strap
- Inspection Mirror

Part No.	Description	1	5
149024	116-piece tool kit	\$295.95	\$269.95

JAMECO BenchPro 95-Piece Pro-Tech Tool Kit

- Kit includes:
 - Navy blue storage box
 - 7-piece hex key set
 - 5-piece needle file set
 - 10-piece wrench set
 - 8 different pliers
 - 6-piece precision screwdriver set
 - 29-pc. socket wrench set
 - Wire stripper/crimper
 - Cushion grip screwdrivers
 - Hammer
 - Inspecting mirror
 - Tape measure
 - Digital multimeter
 - Lead-free solder core
 - Desolder pump
 - 6" chrome-plated wrench
 - Stainless steel tweezer
 - Plastic flip-top box
 - 30W soldering iron
 - Cleaning brushes
 - Aluminum flashlight
 - Mini drill with drill bits
 - Mini hobby vise
 - Elastic wrist strap
 - IC extractor
 - Electrical tape
- Size: 18.4"L x 13.4"W x 6.4"H



Part No.	Description	Weight	Price
2153756	95-piece tool kit	20.6 lbs.	\$174.95

JAMECO BenchPro 119-Piece Chrome Vanadium Tool Kit

- Kit Includes:
 - 13-piece combination wrench set
 - 52-piece socket tool set
 - 2 adjustable wrenches 6" and 8"
 - 7-piece nut screwdriver set
 - 8-piece (SAE), 8-piece (Metric) hex-key set
 - 5-piece torx screwdriver set
 - 8-piece screwdriver set
 - 1 wire stripper
 - 1 water pump plier
 - 2 lock grip pliers 5" and 7"
 - 1 combination leveler
 - 6-pliers
 - 1 wire stripper
 - 6" tape measure
 - 2 pliers off set
 - 1 claw hammer
- Sockets and wrenches are chrome vanadium plated
- High resistant aluminum case
- Size: 19.3"L x 14.6"W x 6.5"D • Weight: 31.2 lbs.



Part No.	Description	Price
2129941	119-piece tool kit	\$149.95

JAMECO BenchPro Variable High-Speed Drill Rotary Tool Kit

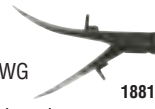
- Speed: 6000-32000rpm
- Motor power: 130W
- Collet capacity: 3.2mm
- 28 pcs. sanding/grinding bit set
- Case included, 2.2 lbs.
- Variable speed selector



Part No.	Description	1	5
2118977	Variable rotary tool kit	\$34.95	\$29.95

Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum 0.375" hole required
- Size: 7.8"L



Part No.	Mfr. Part No.	Description	1	10
18810	HT204	Nibbling tool	\$7.95	\$6.95
29331	HT204B	Replacement bit	3.95	3.59

* Tool Kits — Enter Web Code CAA

JAMECO BenchPro Impact Punch-Down Tool and Blades

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade (easy pushbutton release)
- Can be used with both 110 blade (P/N 175089) and 66 blade (P/N 324021)
- Blades not included
- Color: blue/yellow
- Size: 5.7"L x 1.0"W



Part No.	Description	1	5
2150387	Impact tool w/o blades	\$21.95	\$19.95
175089	Punch-down blade 110	9.95	8.95
324021	Punch-down blade 66	9.95	8.95

JAMECO BenchPro Automatic Center-Punch Tool

- Adjustable • Alloy steel point
- Precision instrument
- Knurled steel body
- Size: 5.0"L x 0.5"Dia.



Part No.	Description	1	10
160282	Center punch tool	\$6.95	\$6.49

JAMECO BenchPro 5-Piece Needle File Set

- Round, square, tri-square, half-round, flat
- Made of heavy duty hardened steel
- Color: black with red handle
- Each 7" long



Part No.	Description	1	5	25
2157589	5-piece file set	\$5.95	\$5.49	\$4.95

JAMECO BenchPro Pocket Screwdriver

- Phillips & Flat head
- Pen clip for pocket storage
- Size: 6"L



Part No.	Description	1	10	100
127271	6"L pocket screwdriver	\$1.95	\$1.59	\$1.39

JAMECO BenchPro Pocket Deburring Tool

- Easily smooth out sharp-edged holes
- Swivel movement
- Pocket clip
- Size: 5.5"L



Part No.	Description	1	5	25
2157597	Pocket deburring tool	\$4.95	\$4.49	\$3.95

JAMECO BenchPro Precision Cutting Knife

- Ultra sharp cutting blades
- Precise blade with protective cover
- Size: 6.0"L



Part No.	Size	1	5	25
2157571	6.0"L	\$3.95	\$3.59	\$3.29

JAMECO BenchPro Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H
- Includes: 13 types of blades



Part No.	Description	1	10	100
72768	13 blade knife set	\$8.95	\$7.95	\$6.95

* For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

3 LEVELS OF SAVINGS
 NAME BRANDS HOUSE BRANDS SPECIAL BUY

Crimpers, Strippers, Cutters & Miscellaneous Tools

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**

Xcelite

JAMECO
BenchPro



Wire Cutters/Strippers/Crimpers

EXIMCORP



* Web Code: GBU



Part No.	Manufacturer	Mfr. P/N	Description	Functions			Size (L" x W")	Pricing	
				Cut	Strip	Crimp		1	5
179902	BenchPro	GPL-171	4" leaf spring cutters w/ flush side cutting, forged steel, cushion grip	✓			4.0 x 2.6	\$3.95	\$3.59
34658	Eximcorp	DP2458	5.3" heavy duty diagonal flush cutters, heat-treated forged steel	✓			5.3 x 2.2	3.95	3.49
2123320	BenchPro	GPL-101	4.5" spring return cutters w/ flush side cutting, carbon steel, vinyl grip	✓			4.5 x 2.6	4.95	4.49
35482	BenchPro	AX103	4.3" Diagonal wire cutters, rubber handles, 0.5" cutting blade, 45° angle	✓			4.3 x 2.1	6.95	6.49
146712	Xcelite	170M	5" general purpose shearcutters, flush cutting, red cushioned grips	✓			5.0 x 2.5	6.95	6.49
2188051	Xcelite	170D	5" general purpose shearcutter with static-dissipative black grips, up to 20AWG	✓			5.6 x 2.7	7.49	6.95
2188060	Xcelite	1178M	5.6" heavy-duty shearcutters, for IC pins, cables and harnesses, up to 14AWG, red grips	✓			5.6 x 2.7	11.95	10.95
161411	Pro's Kit	1PK-717	5" Diagonal wire cutters, insulated handles, cuts 0.08mm fine wire	✓			5.0 x 1.8	7.95	7.49
146739	Xcelite	MS54V	4" semi-flush oval head cutters, diagonal cut, green cushioned grips	✓			4.2 x 1.8	17.95	16.95
217921	Xcelite	MS54J	4" oval head-flush diagonal cutters, flush cut, green cushioned grips	✓			4.3 x 1.8	19.95	17.95
1536974	Xcelite	S475NJS	5" tapered head diagonal cutters, flush cut, green cushioned grips	✓			5.0 x 2.5	18.49	17.95
217904	Xcelite	MS549JV	4" tapered head diagonal cutters, flush cut, green cushioned grips	✓			4.2 x 1.8	18.95	17.95
217867	Xcelite	MS545JV	4" slim line tapered head cutters, diagonal flush cut, green cushioned grips	✓			4.2 x 1.9	18.95	17.95
2112292	BenchPro	TTK-061	UTP/STP wire stripper, 3-24 AWG, shielded/unshielded/twisted pair cable		✓		3.5 x 1.3	2.49	1.95
159185	Hanlong	HT-332D	2-blade rotary coax cable strippers, 4 settings for cable sizes 4-12mm		✓		3.9 x 0.7	12.95	11.95
114535	Hanlong	HT-336G	Ratcheted BNC crimpers, for RG58, RG59, RG62, RG174, and fiber optic			✓	8.5 x 2.5	22.95	21.95
78992	Hanlong	HT-108	5" cutter/strippers, 10-30 AWG, spring return, screw-adjustable wire gauge	✓	✓		5.0 x 3.0	4.49	3.95
215889	BenchPro	JE-2022C	5" cutter/strippers, 10-24 AWG, spring return, dial to adjust wire gauge	✓	✓		5.0 x 3.0	4.49	3.95
159274	Hanlong	HT-1091	5" cutter/strippers, 20-24 AWG, spring-loaded, insulated grips, 45° angle	✓	✓		5.0 x 3.0	4.95	4.49
2112284	BenchPro	GTA-002	Automatic wire strippers, 10-24 AWG, spring-loaded handle w/ wire stopper	✓	✓		6.8 x 3.2	8.95	7.95
2185635	BenchPro	TTK-069	Cable cutter/stripper, UTP/STP/flat telephone/coax cable, easy rotation	✓	✓		4.5 x 2.3	9.95	8.95
159291	Hanlong	HT-5023	6.6" cutter/strippers, 20-30 AWG, cuts steel wire, scale markings in AWG/mm	✓	✓		6.6 x 2.0	9.95	8.95
99443	Hanlong	HT-202A	Non-insulated terminal crimper, for D-sub and non-insulated connectors	✓		✓	7.3 x 1.5	9.95	8.95
159266	Hanlong	HT-213	D-sub crimper, crimps D-sub pins and sockets, works with 20-28 AWG wire	✓		✓	7.0 x 4.0	11.95	10.95
161200	Ideal	45-120	6" cutter/strippers, strips 12-20 AWG stranded, 10-18 AWG solid, plier nose	✓	✓		6.0 x 2.0	14.95	14.49
161218	Ideal	45-121	6" cutter/strippers, strips 16-26 AWG stranded, 14-24 AWG solid, plier nose	✓	✓		6.0 x 2.0	16.95	15.95
175098	BenchPro	GTA-006H	Automatic strippers, 8-22 AWG, spring-loaded handle with wire stopper	✓	✓		7.0 x 3.5	16.95	15.49
18797	Hanlong	HT-1041	7-in-1 wire-handling tool, 10-18 AWG, steel wire cutter, wire loop, red	✓	✓	✓	6.6 x 3.0	5.95	5.49
127862	Hanlong	HT-1042	7-in-1 wire-handling tool, 16-26 AWG, steel wire cutter, wire loop, blue	✓	✓	✓	6.6 x 3.0	5.95	5.49
127871	Hanlong	HT-1043	7-in-1 wire-handling tool, 22-30 AWG, steel wire cutter, wire loop, orange	✓	✓	✓	6.6 x 3.0	6.95	6.49
2153078	BenchPro	GRK-42N	8.5" cutter/crimper/stripper, ergonomic grip, 10-22 AWG, wire gauge markings	✓	✓	✓	8.5 x 3.0	9.95	8.95
114527	Hanlong	HT-268	Metal modular connector crimper, 6P & 8P plugs with cable stripper/wire cutter	✓	✓	✓	8.0 x 2.7	15.95	14.95
159312	Hanlong	HT-568R	Ratcheted modular connector crimper, RJ45 (8P8C) and RJ11/12 (6P6C) plugs	✓	✓	✓	7.5 x 3.0	22.95	19.95
174676	BenchPro	TTK-070	Modular crimping tool, for RJ11 and RJ45 modular plugs, repeatable crimping	✓	✓	✓	8.5 x 2.2	27.95	25.95

Test/Tools

Erem® High-Precision Cutters

100% guaranteed against defects!

- Internal Magic Springs for constant "fatigue-free" operation for over 1 million openings
- High-Precision Inter-lock Screw Joint System for smooth, wobble-free operation
- The finest ESD-safe cushion grips for superior comfort and protection
- Compacted Eremadium® steel implanting extra strength to the tool
- Re-sharpenable razor edges • Swiss-made



NEW
MARKED IN PINK



2192350

Part No.	Mfr. P/N	Description	1	5
2192350	776E	4.25" super full flush cut	\$79.95	\$72.95
2192368	622N	4.50" full flush cut	54.95	49.95

molex Hand Tools for Mini-Fit™ Jr.



304928



304936

304928: Accepts wire range from 14-24 AWG
 Insulated small handle spread design
 Great for open-barrel terminals

304936: For the removal of Mini-Fit Jr™ Crimped
 Terminals Series from their housings

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	\$49.95	\$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

*Crimping Tools — Enter Web Code GBU

Proxima 34-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829	32-piece security bit set	\$13.95	\$12.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Xcelite[®] EXIMCORP



Pliers

*Web Code: XPC



Part No.	Manufacturer	Mfr. Part No.	Description	Length	1	5
94530	Eximcorp	SNC2470	Square nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips	4.75"	\$1.95	\$1.75
34746	Eximcorp	BNC2457	Standard bent oval nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips	5.25"	2.39	2.09
34826	Eximcorp	BN2463	Slim bent oval nose pliers with serrated jaws, forged steel, heat-treated, insulated grips	6.0"	2.49	1.95
34796	Eximcorp	BN2497	Bent oval nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	4.5"	2.95	2.69
94512	Eximcorp	SNC2468	Standard square nose pliers with serrated jaws, forged steel, heat-treated, insulated grips	5.5"	2.95	2.49
94554	Eximcorp	NP2491	Standard nipper nose pliers, spring-loaded, forged steel, heat-treated, insulated grips*	4.25"	2.95	2.69
94546	Eximcorp	SNC2483	Straight square nose pliers serrated jaws, forged steel, heat-treated, insulated grips*	6.0"	3.95	3.49
34762	Eximcorp	BNC2493	Standard bent oval nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	7.0"	3.95	3.49
104257	Eximcorp	SP2460	Sportman's straight square pliers, forged steel, heat-treated, insulated grips*	8.0"	3.95	3.69
104249	Eximcorp	EP2488	Electrician's pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	8.25"	2.95	2.49
98993	Eximcorp	SBP2459	Sportman's square bent pliers, forged steel, heat-treated, insulated grips*	7.5"	4.95	4.49
35474	BenchPro [®]	GPL-204-R	Flat long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
35491	BenchPro [®]	AX104-R	Half round long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
177608	BenchPro [®]	GPL-172	Half round long nose, drop forged steel, heat treated, spring return, vinyl grips, knurled jaws	4.5"	4.95	4.49
34712	Eximcorp	NNC2480	Needle oval nose pliers with cutters and serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.49	4.95
42104	Eximcorp	SN2481	Needle flat nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.95	5.49
2157642	BenchPro	GPL-820	Snap ring plier, for internal-external use, effective range: 18-48mm (straight)	8.0"	6.95	6.49
2180172	BenchPro	MP-810	4-pc. tool set (side cutter, long-nose plier, flathead & philips screwdrivers), high grade carbon steel	—	12.95	11.95
217891	Xcelite [®]	L4V	Subminiature needle nose pliers, cushioned grips, general purpose use	4.0"	16.95	16.49
152055	Xcelite [®]	S2K	Shearcutter pliers set with 5.6" needle nose plier and 5.2" electronic flush cutter, made of carbon steel	5.6" / 5.2"	16.95	16.49
73121	BenchPro [®]	PLIERS 5PC-R	5-Piece precision stainless steel pliers set (micro cutting, micro round, long nose, flat nose, bent nose)	—	18.95	17.95
217998	Xcelite [®]	LN54GV	Thin long nose pliers with cushioned grips, smooth jaws, general purpose use	5.0"	18.49	17.95
146721	Xcelite [®]	NN776V	Long needle nose flat pliers with cushioned grips, smooth jaws, general purpose use	5.0"	19.95	18.95
2100161	Eximcorp	EXIM10	10-piece pliers & cutters tool kit w/ the pliers marked above with an (*) and cutter P/N 34658 (pg 130)	—	29.95	26.95

Hi-Speed Steel Step Drill Bit & Set

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

- Heat-treated, high speed steel with titanium coating
 - 2 flute design for faster, smoother and cleaner cuts
- 229657: • 3/8" round shank
2169731: • 1/4" quick change hex shank
• Includes 3 pieces: 3/16" - 1/2" 6-step; 1/4" - 3/4" 9-step; 1/8" - 1/2" 13-step



Part No.	Description	1	10
229657	3/16" - 7/8" 13-step	\$14.95	\$13.49
2169731	3-piece set	16.95	15.95

*Drill Bits — Enter Web Code NEJ

PC Board Drill Bits

- Shaft diameter: 0.125"
- Use for drilling holes in glass PC boards

Part No.	Size	Diameter	1	10	100
1919537	1/8	0.125"	\$1.49	\$1.25	\$.95
1919588	31	0.120"	1.49	1.25	.95
1919300	32	0.116"	1.49	1.25	.95
1919609	33	0.113"	1.49	1.25	.95
1919553	35	0.110"	1.49	1.25	.95
1919570	38	0.102"	1.49	1.25	.95
16580	59	0.040"	2.49	2.25	1.95
16619	75	0.021"	2.49	2.25	1.95

20-PIECE DRILL BIT GRAB BAG

Includes diameters: 0.125", 0.120", 0.116", 0.113", 0.110", 0.102", 0.040" and 0.021"

P/N 2082038
See page 33

ONLY \$19.95

Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$37.95	\$34.95	\$31.95
26711	GTT-104 stand	1.8	27.95	25.95	23.95

Mini-Drill Bit Kit

- Mini drill (26702)
- Mini drill stand (26711)
- Drill bit sizes 75 & 59 (P/Ns 16619/16580)



Part No.	Description	Price
2113252	Mini-drill bit kit	\$59.95

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

3 LEVELS OF SAVINGS

NAME BRANDS HOUSE BRANDS SPECIAL BUY

Screwdrivers, Calipers & Miscellaneous Tools

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**



Ball-End, Hex Key, Nut Driver & Screwdriver Sets

Bondhus/Felo Products: Inferior tools cost extra money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place. Get it right the first time around with these reliable tools.

- Material: Protanium high torque steel
- Ball-end inserts quickly into screw head up to 25 degrees
- Ergonomically designed anti-roll handle
- Delivers perfect balance between tip strength and working angle
- Bondhus: Made in USA; Felo: Made in Germany • Lifetime warranty

*Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted - 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	\$2.95	\$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 - 1/16", 5/64", 3/32", #1 - 1/8", 9/64")	3.95	3.59
99451	BenchPro	6-pc. long neck screwdriver set (slotted - (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips - #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	10.95	9.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx - T5, T6, torx hex - T7, T8, T9, T10)	13.95	11.95
2096229	Felo	6-pc. screwdriver set (slotted - 9/64"; 5/32"; 7/32"; 1/4"; Phillips - #1; #2)	36.95	33.95
2157626	BenchPro	7-pc. folding hex wrench set, compact foldable design, 4" long	3.95	3.49
2119005	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 phillips, 1 square)	1.95	1.79
2157634	BenchPro	8-pc. folding hex wrench set, compact foldable design, 4" long	3.95	3.49
226094	BenchPro	11-pc. magnetic AWL prec. screwdriver set (slotted - .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips - #00, #0, #1)	3.95	2.95
2096173	Bondhus	12-pc. ball-end hex key set (.05"; 1/16"; 5/64"; 3/32"; 7/64"; 1/8"; 9/64"; 5/32"; 3/16"; 7/32"; 1/4"; 5/16")	13.95	12.49
2153060	BenchPro	14-pc. mini screwdriver set with leather pouch and 12 flathead, phillips, and Torx bits	11.95	10.95
2153086	BenchPro	28-pc. set with multiple phillips/slotted/torx/hex bits and adapters	19.95	17.95



30 AWG Wire Wrap/Strip Tool

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation.

- Modified wrap for 30 gauge Kynar wire (pg 45)
- Knurled handle for easy grip • 5" long
- Wire stripper stored in handle

Part No.	Description	1	5
2150361	Modified wrap tool	\$19.95	\$17.95



Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 45 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Mfr.	Part No.	1	5
34585	HSM30 (Modified)	.....	\$29.95	\$27.95
236785	HSR30 (Regular)	.....	29.95	27.95



*Web Code: BBC

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"

Part No.	Description	Size (L" x W")	1	10
106884	1/4W & 1/2W	5.4 x 1.5	\$4.95	\$4.49



IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Material: durable plastic • Size: 3.3"L x 1.5"W x 0.4"H

Part No.	Description	1	10	100
99363	IC straightener	\$7.95	\$6.95	\$5.95



6" & 12" Stainless Steel Rulers

- Tough and durable for on-site measurements**
- Etched markings in centimeters and inches
 - Conversion table from inches to millimeters

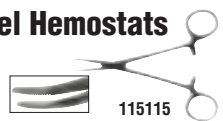
Part No.	Cross Ref. No.	Length	1	10	100
2153107	GMT-106	6"	\$2.95	\$2.75	\$2.49
2153131	GMT-112	12"	4.95	4.49	3.95



5" & 7" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10
115107	HEMO1	5" straight	\$3.95	\$2.95
115115	HEMO2	5" curved	3.95	2.95
2171444	8-410	7" straight	4.95	3.95



24" Joubert Bungee Cord

- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Stretches easily to 48"

Part No.	Cross Ref. No.	1	10	100
2081668	JBC24	\$.99	\$.89	\$.79



T-Handle Reamer Tool

- Excellent for aluminum chassis work**
- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
 - T-handle for easy rotation of tool
 - Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10
151750	T-handle reamer	\$7.95	\$6.95

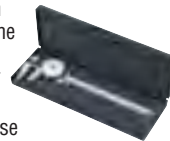


Metal Dial Caliper

- Measures in inches**
- Measures outside, inside & depth
 - Accurate measurements every time
 - Easy-to-read dial gauge
 - Materials: metal • Color: silver
 - Length: 6" (150mm)

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5
116126	Inches (.001 inch)	\$24.95	\$22.95



*Web Code: PAQ

Digital Display Calipers

- Metric and Inches**
- Hardened stainless steel
 - Display: inches to 0.001; mm to 0.01
 - Instructions for making internal, external, depth & step measurements
 - One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 117)

Part No.	Description	1	5
127482	Measures 6" (150mm)	\$29.95	\$26.95
2153545	Measures 8" (203mm)	34.95	31.95



*Web Code: PAQ

Tweezers

- 252929:** Straight round, fine-point tip, stainless steel
253092: Curved fine-point tip
252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
253113: Fine-point tip, insulated, anti-static
252912: Straight fine-point tip, tapered

Part No.	Length	Photo	1	10	25
252929	4.75"	1	\$2.95	\$2.49	\$1.95
253092	4.6"	2	2.95	2.49	1.95
252938	4.6"	3	2.95	2.49	1.95
253113	4.75"	4	2.95	2.49	1.95
252912	4.75"	5	2.95	2.49	1.95



*Web Code: FAA

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Tweezers, Magnifying Lamps & Anti-Static Products

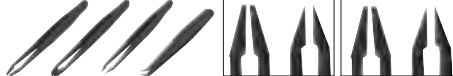
JAMECO BenchPro 4-Piece Steel Tweezer Set



• 4 styles of stainless steel tweezers, one self-locking

Part No.	Description	1	10	100
10735	4-piece tweezer set	\$5.95	\$5.49	\$4.95

4-Pc. Conductive SMD Tweezer Set



• 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	\$9.95	\$8.95

EFD Vacuum Tweezers



Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Easy interchangeable tips
- ESD safe body



Part No.	Mfr.	Includes	1	5
207239	Xytronic	4 tips/cups	\$19.95	\$17.95
2183939	Xytronic	3 tips/cups	24.95	22.95
88268	EFD	7 tips/cups (.14"-4")	49.95	44.95

JAMECO BenchPro PLCC & DIP IC Extractors

* Web Code: MAB



Part No.	Manufacturer	Description	1	10	100
16838	BenchPro	DIP	\$1.95	\$1.75	\$1.49
2157600	BenchPro	3-prong	2.95	2.59	2.39
2173175	BenchPro	PLCC	3.49	2.95	2.49
16766	Velleman	PLCC	3.95	3.49	2.95

JAMECO BenchPro Anti-Static Wrist Straps

• Comfortable, adjustable black Velcro wrist strap

• The coiled grounding cord has banana plug and alligator clips

• Extended cord: 9'L (2131266: 6'L)

Includes: 1MΩ resistor for added safety



Part No.	Mfr.	Color	1	10	100
34552	BenchPro	Blk/yellow	\$6.95	\$6.49	\$5.95
2131266	Velleman	Black/yellow	4.95	4.49	3.95

Conductive Anti-Static Bags and Foam

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24"L x 12"W x 0.25"H * Order in multiples of 10

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	*	\$.15	\$.10
249527	5" x 7" anti-static bags	*	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

Anti-Static Heel Strap

• Discharges static without restricting your mobility

• Ground strap length: 15.5"L



Part No.	Description	1	10	100
100328	Heel strap	\$5.95	\$5.49	\$4.95

JAMECO BenchPro Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging yet will not short leads or pins.



Part No.	Dimensions	Wt. (lbs.)	1	10	25
10576	11.3" x 22"	0.7	\$9.95	\$8.95	\$7.95
10584	19.5" x 23.5"	1.1	13.95	12.49	10.95
2130853	19.7" x 23.6"	1.1	14.95	13.95	12.95
236541	23.5" x 27.5"	1.4	24.95	22.49	19.95
2152075	24" x 48"	3.9	69.95	64.95	59.95

* Anti-Static — Enter Web Code XAA

JAMECO BenchPro Field Service Static Kit

This mat folds easily to fit into a field service bag.

- 4 pocket for ESD safe storage
- 10" ground strap and 6" wrist strap share on one ground point
- Size: 2' x 3'



Part No.	Cross Ref. No.	1	5	25
2113720	8PK-AS07-1	\$15.95	\$14.95	\$13.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops



29524 (ICs not included)

29583

29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs

29524: .600" rail fits 24, 28, 36 and 40-pin ICs

29583: Rubber stops used to plug plastic rail ends

Note: previously used * Order in multiples of 10

Part No.	Product No.	Description	1	10	100
29516	RIC20	.300"W rail	\$.29	\$.25	\$.22
29524	RIC220	.600"W rail	.29	.25	.22
29583	RRS	Rubber stop	*	.09	.07

Vision Magnifier Visor Magnifier w/ Light

- Magnifying glass with dual light
- Power supply: 4 AAA batteries (not included)
- Adjustable dioptery: 1.8/2.3/3.7/4.8
- Size: 7.9"L x 2.4"W x 5.5"H



Part No.	Mfr.	Part No.	Wt. (oz.)	1	10
2131119	VTMG6		5.3	\$6.95	\$5.95

CRIP LED Lighted Helping Hand

- Built-in LED light providing added visibility
- 2.5" magnifier lens with adjustable neck
- 2 alligator clips
- Soldering iron holder
- Size: 10.5"L x 5.2"W x 2.6"D
- Weight: 0.86 lbs.

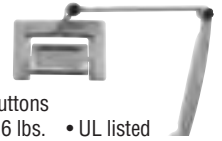


* Web Code: YAU

Part No.	Mfr.	Part No.	1	5
2168448	55133		\$14.95	\$13.95

JAMECO BenchPro 3 Diopter, 3-Bulb Magnifying Lamp

- Three 9-watt fluorescent compact bulbs included
- Adjustable 3 diopter lens
- 7" x 4.5" rectangular lens
- 47" long arm
- 2 on/off buttons
- Color: beige
- Weight: 7.6 lbs.
- UL listed



Part No.	Description	1	5
217517	Adj. magnifying lamp	\$89.95	\$84.95

Xytronic Precision 5 Diopter Magnifying Lamp

- 40" arm extension
- 5 diopter lens
- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz



Includes: 22W circuline fluorescent bulb

Part No.	Description	1	5
197456	Magnifying lamp	\$89.95	\$79.95

JAMECO BenchPro 3 Diopter Magnifying Lamps

- 5" diameter lens
- 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3 diopter lens



Part No.	Color	Wt. (lbs.)	1	5
100829	Black	7.3	\$59.95	\$54.95
149981	White	7.3	59.95	54.95

3 Diopter Magnifying Lamp With Measurement Marking Base

- 30" arm extension
- 7" 3 diopter lens
- Adjustable plastic lens cover
- Weighted base for desktop use
- Bulb type: 4 x 3.4W LED included
- On/off switch



Part No.	Description	Wt. (lbs.)	1	5
2120330	LUX-400	21.0	\$129.95	\$116.95

JAMECO BenchPro Standard Adjustable 3 Diopter Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3 diopter lens
- Weight: 2.9 lbs.



Part No.	Description	1	5
22710	Magnifying lamp	\$26.95	\$23.59

* Magnifying Lamps — Enter Web Code DAW

3 Diopter Flexible Neck Magnifier

- 3.5" diameter
- 3 diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.



Part No.	Description	1	5
239548	Flexible neck magnifier	\$12.95	\$11.49

* For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Magnifier, Heat Guns & Soldering Equipment

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**

JAMECO BenchPro General Purpose Illuminated 1.5X Magnifier

- 3.5" Dia. x 7.5"L
- 90mm diameter lens
- Great for magnifying fine print
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 117)

Part No.	Description	1	5
149542	Illuminated magnifier	\$4.95	\$4.49

JAMECO BenchPro Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included)
- Size: 7.3"L x 6.3"W

Part No.	Description	1	5	25
72696	Glue gun	\$7.95	\$7.29	\$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

Weller 18-Watt Pro Series Soldering Iron

- Heats up to working temperature in just 35 seconds
- Up to 900°F temperature
- Co-molded grip for a comfortable feel
- Performance equivalent to a 60-watt iron
- Designed be self-standing, no stand is needed
- Tips use a phono jack and plug for easy tip exchange
- UL and CUL listed
- Ideal for hobbies, kits, radios, and electronics

Includes: Charger and WPS10 soldering tip

Part No.	Mfr.	Part No.	1	5
2153810	WPS18MP		\$27.95	\$26.49

Weller 20-Watt Soldering Iron

- A high-quality, mains-powered soldering iron for general purposes.
- Power supply: 20W/110VAC
 - UL approved
 - Cord length: 5 feet

Includes: Iron stand

Part No.	Mfr.	Part No.	1	5
2131151	VTS20U		\$6.95	\$6.39

XTRONIC 25-Watt Thermally Balanced Soldering Iron

- The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.
- 120VAC; 6' cord
 - 25-watt power consumption
 - Interchangeable tips (pg 137)
 - UL listed
 - Length: 8.0"
 - One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr.	Part No.	1	5	25
129040	200GX-25W		\$14.95	\$13.49	\$11.95

XTRONIC 60-Watt Replacement Soldering Iron

- Compatible with the following XYtronic soldering stations: 168-3C, 168-3CD, 9-60A, and 9-60D.

Part No.	Mfr.	Part No.	1	5
2144649	XY-207ESD		\$39.95	\$35.95

* Soldering Stands — Enter Web Code YAU

NTE Heat Guns and Strippers

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

- 2076578: • CFM selectable • Weight: 1.0 lb. • Includes 4 attachments & case
- 2076501: • No-slip adjustable stand • Weight: 4.0 lbs.
- 191943: • 3-pos. switch (hot/off/cool)

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D	Mini heat gun	350	482-662	662	\$21.95	\$20.95
254925	BenchPro	1001A	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	49.95	44.95
2076578	Master	EC-100K	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	56.95	53.95
2076501	Master	HG-501A	Industrial heat gun (23 CFM)	1680	750	750	129.95	119.95
191943	Weller	6996C	Industrial heat gun	250	750-800	800	142.95	134.95
2007062	BenchPro	1004	Accessory kit for 254925	—	—	—	11.95	10.95

Weller Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)

Part No.	Description	1	5
645520	Butane soldering iron	\$29.95	\$26.95
2097491	5 oz. butane gas refill	7.95	6.95

XTRONIC 16 to 30-Watt Variable Soldering Iron & Stand

- 116572: Length: 7.5"
- 36329: • Black anodized steelbase — 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	258VL soldering iron	\$19.95	\$17.95	\$15.95
36329	Soldering stand	5.95	5.39	4.79
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

XTRONIC 35-Watt SMD Tweezer Iron

- Max. temp.: 760°F
- 120VAC input
- Max. efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer iron	\$54.95	\$49.95	\$44.95
168583	Tip .078"	10.95	9.95	8.95
168591	Tip .590"	10.95	9.95	8.95

Weller LED Soldering Irons

- 3 high-temperature LEDs with 25 lumen light intensity
- Each iron includes soldering aid tool, tip, and user's manual
- 2174901/2174928 includes soldering aid tool, lead-free solder, and 2 spare soldering tips
- Cord strain relief for extended life
- Durable cable with 5-foot reach

Part No.	Mfr.	Part No.	Description	1	5
2174899	SP15NUS		15W soldering iron	\$14.95	\$13.95
2174910	SP25NUS		25W soldering iron	16.95	15.95
2174901	SP25NKUS		25W soldering iron kit	19.95	18.95
2174936	SP40NUS		40W soldering iron	19.95	18.95
2174928	SP40NKUS		40W soldering iron kit	24.95	23.95
2174944	SP80NUS		80W soldering iron	27.95	26.49

LED Illumination

XTRONIC 40 & 60W High-Performance, Economical Soldering Irons

- Iron length: 9"
- 120VAC; 6' cord with 3-prong plug
- High-performance double-wound nichrome heating element
- Flexible, burn-resistant silicon cable

Part No.	Description	1	5	25
224602	40W soldering iron	\$13.95	\$12.95	\$11.95
195223	60W soldering iron	12.95	11.49	10.49
226018	Conical tip for P/N 224602	2.95	2.75	2.49

Weller 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"

Includes: Power cord & ST3 tip (pg 135)

Part No.	Mfr.	Part No.	Description	1	5
170587	WP25		25W solder iron	\$42.95	\$38.95
192102	WP35		35W solder iron	51.95	49.95
146608	ST1		Screwdriver tip 1/16"	5.95	4.95
146616	ST3		Screwdriver tip 1/8"	5.95	4.95
192145	ST6		Screwdriver tip .031"	5.95	4.95
146624	ST7		Conical tip 1/32"	5.95	4.95

SOLDERING ACCESSORIES

2184544	Solder Tip Stand Cleaner	\$14.49
2184552	Brass Wool Ball Replacement	5.95

* Soldering Irons — Enter Web Code QAS

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- Length: 6"
- 120VAC @ 60Hz input
- Weight: 0.7 lbs.



192081



Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG	Solder iron	\$59.95	\$56.95
192090	CT6F7	.375" screwdriver tip ..	6.95	6.29

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting
- Use with butane refill (P/N 2097491, pg 134)



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K	\$99.95	\$89.95

Weller® Dual Setting Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850°F) or 11 watts on high setting (950°F)
- Co-molded grip for comfort and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries



Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip removal wrench

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	\$23.95	\$19.95

JAMECO ValuePro 30 to 100-Watt Soldering Kit

- 30W soldering iron
- 100W soldering gun w/ extra tip
- Manual desoldering pump
- Mini third-hand board/component holder
- Soldering aid tool
- Lead solder
- Size: 13.8"L x 11"W x 3"H



Part No.	Product No.	Wt. (lbs.)	1	5
684596	GSR-600A	4.0	\$39.95	\$35.95

WAHL® 25-Watt Cordless Soldering Iron

- IsoTip® Power Pro Model #7904
- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.



Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	\$74.95	\$69.95

*Soldering Irons — Enter Web Code QAS

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temperature is electronically controlled from 350° to 850°F
- Illuminated on/off switch
- Light weight pencil iron
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 1.9 lbs.



Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	5
146595	WLC100	\$54.95	\$49.95

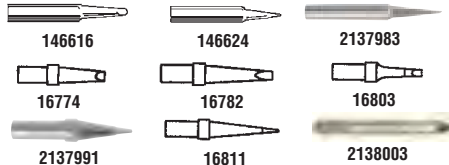
Weller® Soldering Tips

ST Series: Replacement tips for WLC100, WP25, WP30, WP35 soldering irons and stations. Precision ground copper tips plated with iron, nickel and chromium

ET Series: Replacement tips for PES51 soldering pencil (P/N 2082847). Contains a sensor hole in base of tip fitted with a stainless steel liner

MT Series: Replacement tips for SP23 and SP23D soldering irons. Solid copper tips, nickel-plated and tinned

* Web Code: NAB



Part No.	Mfr. P/N	Description	1	5
192145	ST6	Screwdriver tip 1/32"	\$5.95	\$4.95
146608	ST1	Screwdriver tip 1/16"	5.95	4.95
2137975	ST2	Screwdriver tip 1/10"	4.95	3.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.95	4.95
2137983	ST5	Single flat tip 1/32"	4.95	3.95
16774	ETA	Screwdriver tip 1/16"	6.95	6.29
2138020	ETH	Screwdriver tip 1/32"	6.95	5.95
16782	ETJ	Long screwdriver tip 1/32"	6.95	6.29
16803	ETR	Narrow screwdriver tip 1/16"	6.95	5.95
2137991	ETP	Conical tip 1/32"	6.95	5.95
16811	ETS	Long conical tip 1/64"	6.95	6.29
2138011	ETO	Long conical tip 1/32"	6.95	5.95
2138003	MT1	Cone-shape tip 1/8"	7.95	6.95

Weller® Soldering Tip Care



Part No.	Mfr. Part No.	Description	Price
2184536	WB1	Polishing bar	\$11.95
2188043	51303199	Tip tinner & activator, 1.5 oz	9.95

Weller® 50W Soldering Station

- Manual temperature setting
- Electronic temperature control
- Power-on LED indication
- Temp. range: 374°F to 896°F
- Input voltage: 115VAC
- Input power: 50VA max.
- Color: light blue
- Size: 7.3" x 4.0" x 3.5"
- Weight: 1.6 lbs.



Includes: AC cord, iron stand, and sponge

Part No.	Mfr. Part No.	Description	1	5
2130626	VTSS5U	50W station	\$24.95	\$21.95
2174864	BITS5	Conical tip	1.95	1.75

Weller® 60-Watt ESD-Safe Soldering Station

- Temperature controllable: 600°F, 700°F, or 800°F
- Closed-loop method of controlling maximum tip temperature to protect sensitive components
- Ferromagnetic temperature sensor, no adjustments necessary
- Quick disconnect plug for soldering iron and lighted on/off switch
- Impact-resistant plastic power unit
- Input: 120VAC @ 60Hz
- Size: 5.9"L x 4.5"W x 3.6"H
- Weight: 4.0 lbs.



Includes: Power unit, soldering pencil with PTA7 tip (below), stand and sponge

Part No.	Mfr. P/N	Description	1	5
170552	WTGPT	Solder station	\$175.95	\$164.95
192161	TC201T	Replacement iron	89.95	84.95
192188	PTA7	Screwdriver tip 700°F	3.95	3.49

*Soldering/Desoldering Stations — Enter Web Code GEJ

*Soldering Tips & Sponges — Enter Web Code NAB

60-Watt Lead-Free Digital Soldering Station

Grounded Soldering Tip

- 150°C to 480°C (302°F to 896°F)
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 4.1"L x 3.5"W x 3.5"H
- Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip

156822: Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
2174733	LF-389D	60W station	\$54.95	\$49.95

Part No.	Mfr. Part No.	Description	1	10
156814	XYB01	1/32" tip	\$4.95	\$4.49
156822	XYB04	1/16" tip	4.95	4.49
134631	SP715	Sponge	2.95	2.59

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temp. accuracy: ±9°F
- Temperature range: 350°F to 850°F
- ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H
- Weight: 4.0 lbs.



233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51	Analog	\$126.95	\$119.95
233533	WESD51	Digital	179.95	169.95
2082847	PES51	Soldering iron	42.95	39.95
2082783	WCC104	Replacement sponge ..	2.95	2.59

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



70 & 80-Watt Lead-Free Soldering Stations

- Input: 110-120VAC @ 60Hz
- Soldering iron assembly
- Adjustable knob for temperature setting
- Weight: 5.3 lbs.



1950711

Includes: soldering station, soldering stand with cleaning pad, soldering iron and manual

1950711: Analog 70-Watt • Size: 8"L x 5.2"W x 3.8"H

- With nichrome heating element & K-type thermocouple sensor
- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C • Uses model 209 soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)

2099180: Digital 80-Watt

- Temp. accuracy: ±3°C
- Temp range: 200°C to 480°C (392°F to 896°F)
- Size: 4.2"W x 3.6"H x 5.0"D • ESD safe
- Uses 108ESD soldering iron assembly
- Premium-grade ceramic heating element

Part No.	Mfr. Part No.	Description	1	5
1950711	169	Analog	\$84.95	\$79.95
2099180	LF-1600	Digital	89.95	79.95

80-Watt High-Power Stained Glass Soldering Station

- 100-120VAC @ 60Hz
- On/off switch with "power on" indicator light
- Temperature range: 482-923°F (250-500°C)
- Variable power control
- Safety guard iron holder • Cushioned foam grip



Part No.	Mfr. Part No.	Description	1	5
2118467	LT-80	.....	\$44.95	\$39.95

Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature: 350°F to 900°F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.



2082775

Includes: MTG20 3/8" chisel tip, iron stand, sponge, AC cord and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200	Soldering station ..	\$69.95	\$65.95
2082821	MTG22	3/8" cone tip	12.95	11.95
2082783	WCC104	Sponge	2.95	2.59

Weller® 85-Watt Digital Lead-Free Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.



Includes: LTB tip, iron stand, sponge and AC cord

Part No.	Mfr. Part No.	Description	1	5
684772	WD1002	.....	\$346.95	\$329.95

* Soldering/Desoldering Stations — Enter Web Code GEJ

90 & 120-Watt ESD Safe, Digital Lead-Free Soldering Station

- Input: 220-240VAC @ 50Hz, 100-120VAC @ 60Hz
- 0-volt. switching circuitry
- Precise temp. regulation
- Heater/sensor failure detection
- PTC sensor for quick heat-up time
- Temperature range: 2143970: 100°C to 500°C (212°F to 932°F); 2181503: 200°C to 500°C (392°F to 932°F)
- Temp lock out feature, password protected
- High-quality sensor and heat transfer technology
- Aluminum housing • Size: 4.4"W x 6.2"H x 5.4"D



Includes: Separate iron holder with brass tip cleaner, soldering tip and AC cord

Part No.	Mfr. Part No.	Wattage	1	5
2143970	LF-3000	90W	\$119.95	\$109.95
2181503	LF-3200	120W	134.95	124.95

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3

134631: For XY-60D, XY-379 & XYT379-C



236460

Part No.	Mfr. Part No.	Size (in.)	1	5	25
134640	SP815	1.8 x 1.8	\$2.95	\$2.59	\$2.39
134631	SP715	1.7 x 2.1	2.95	2.59	2.29
236460	SP715	1.7 x 2.1	2.95	2.59	2.29

6-Watt Portable USB Soldering Iron

This unique soldering iron can achieve up to 896°F (480°C) in just 20 seconds by using only a 9V alkaline battery or by connecting to your computer via the included USB cable!

- Professional grade soldering tip
- Achieves max. temp. of 896°F/480°C via 9V battery or USB connection
- Rating: 5V @ 800mA
- Built-in ultra bright LED light that illuminates your work area
- Perfect for soldering SMD components
- Energy-efficient, only consumes approx. 5W



Includes: 9V battery adapter, USB cable Y-adapter and sponge

Part No.	Mfr. Part No.	Size	1	5
2173618	MSD-086	5.8"L x 0.6"W ..	\$19.95	\$17.95

CHIPQUIK® SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5" of CHIPQUIK® material removes 1250-1500 SMD pins



Includes: 2.5 feet removal alloy material, 1cc syringe rework paste flux, alcohol pads for cleaning and complete instructions

Part No.	Description	1	5
141305	SMD removal kit	\$15.95	\$14.49

COHERENT® Safety Glasses

Disposable protective glasses that are lightweight and comfortable. Designed to give max. peripheral vision without distortion. Features brow and solid side shields for splash protection.



- Can wear over regular glasses • Solid side shields
- Size: 6.1"W x 2.5"H x 5.5"D • Color: dark grey

Part No.	Mfr. Part No.	1	12	72
2133691	3303-0331	\$2.95	\$2.49	\$1.95

80-Watt Lead-Free Desoldering Station

- Input voltage: 100-120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to ±3°C (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H
- Weight: 13 lbs.



Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	1	5
1919094	LF-6000	\$299.95	\$284.95

100-Watt Soldering & Desoldering Station with Fume Extractor



- Input voltage: 110-120VAC @ 60Hz
- Soldering iron: 32VAC/100W 150°C to 480°C (302°F to 896°F)
- Desoldering iron: 32VAC/100W 300°C to 450°C (572°F to 842°F)
- Temperature stability: ±3°C (6°F)
- Temperature correction range: ±99°C
- Energy saver mode after 20 minutes of idle time and auto power down after 40 minutes idle time
- Heater and sensor failed detection and temp. lockout features • Digital temp. readout
- Size: 4.2"W x 3.6"D x 5.0"H • Weight: 28 lbs.

Includes: 307A soldering iron, DIA100 desoldering iron, 105C, 104A & A-2000-1 soldering stand, fume extractor, AX205 micro cutting pliers, 5-piece high precision tweezers, filter and cleaning accessories for desoldering iron, AC power cord and manual

Part No.	Description	1	5
2099198	LF-8800 station	\$399.95	\$379.95
2095509	Desolder tip 1.2mm	7.95	6.95
2095517	Desolder tip 1.5mm	7.95	6.95

700-Watt Lead-Free Multi-Function Surface Mount Rework Station

- 3-in-1 design: soldering, desoldering, hot air function
- Heater/sensor failure detection
- Quick heat-up
- Temperature "Lock-Out" feature
- Auto cooling design
- Temp. range: 212°F to 896°F • Weight: 24.5 lbs.



Includes: AC cord, 5-piece tweezers, replacement heating element, cleaning element, 4-piece nozzle set, iron/hot air gun holders, and IC popper

Part No.	Mfr. Part No.	1	5
2144577	LF-855D	\$299.95	\$279.95

* SMD Rework Stations — Enter Web Code NAT

80-Watt SMD Rework Stations



2120541



2099219

- Thermocouple sensor for stable temp.
- Rapid heat-up and recovery

2120541 • Size: 7.4"L x 5.0"W x 3.3"H • Wt.: 2.6 lbs.

• Adjustable temperature: 482-842°F (250-450°C)

2099219 • Size: 8.8"L x 6.0"W x 4.5"H • Wt.: 6.8 lbs.

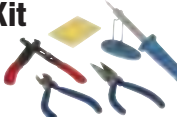
• Adjustable temperature: 392-896°F (200-480°C)

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
2120541	SMD rework tweezer station	\$79.95	\$69.95
2099219	Soldering & tweezer combo station	139.95	129.95
168583	SMD tweezer tip (0.078")	10.95	9.95
168591	SMD tweezer tip (0.59")	10.95	9.95
156814	SMD conical tip (1/32")	4.95	4.49

30-Watt Solder Tool Kit

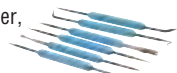
Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters & sponge



Part No.	Description	1	5
358598	7-piece tool soldering kit	\$15.95	\$14.95

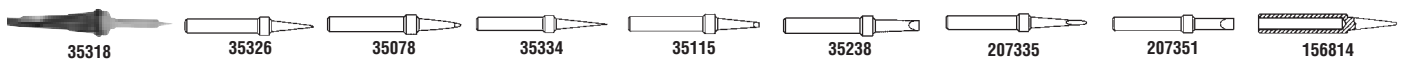
6-Piece Solder Aid Tool Kit

Includes: Various tips: chip holder, spacer, reamer, lever, needle, knife, fork shaft, hook and brush



Part No.	Cross Ref. No.	1	5
2096000	GSR-107	\$6.95	\$6.25

Tips & Replacement Parts for XYtronic Soldering and Desoldering Products



Part No.	Mfr. P/N	Description	For XYtronic Model Numbers (* Legacy Models)										Pricing						
			136530* 379	169 238V/L 351238	20913X XY960A Also DE 360 168-3C	169 200PHG	960D*	968	9995DA*	LF-8100 LF-7000	LF-1000 LF-5000 L307A LF-2000 LF-5800	LF-855D LF-3000 LF-3200	1	10	25				
35318	XY48	Assembly - 60W w/ nichrome heater															\$29.95	\$27.95	\$25.95
35326	XY401	Soldering tip - conical bevel 1/32"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.95	4.49	3.95
35078	XY402	Soldering tip - semi-chisel 1/32"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35334	XY403	Soldering tip - conical sharp 1/64"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35115	XY404	Soldering tip - conical chisel 1/16"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	2.95
207335	XY406	Soldering tip - long conical chisel 3/64"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.95	3.49	2.95
207351	XY410	Soldering tip - chisel 3/16"	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓													4.95	4.49	3.95
207327	XYB03	Soldering tip - conical sharp 1/64"		✓													5.95	5.49	4.95
156822	XYB04	Soldering tip - conical sharp 1/16"		✓													4.95	4.49	3.95
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓													4.95	3.95	3.59
127642	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓	✓		✓				6.95	5.95	4.95
2095509	XY12	Desoldering tip - 1.2mm (.0472")												✓			7.95	6.95	5.95
2095517	XY15	Desoldering tip - 1.5mm (.0586")												✓			7.95	6.95	5.95
2135136	44-710654	Soldering tip - conical 0.2mm (.007")												✓			4.95	3.95	3.59
2135144	44-710657	Soldering tip - 45° flat hoof												✓			4.95	3.95	3.59
2135152	44-710662	Soldering tip - chisel 2.4mm (.094")												✓			4.95	3.95	3.59
2144171	44-413081	Soldering tip - conical 0.5mm												✓			4.95	4.49	3.95
2144163	44-413072	Soldering tip - semi-chisel 0.8mm												✓			4.95	4.49	3.95
2144180	44-413071	Soldering tip - semi-chisel wide 3.2mm												✓			4.95	4.49	3.95
2144155	44-413069	Soldering tip - flat 1.6mm												✓			4.95	4.49	3.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

900-Watt Lead-Free, ESD-Safe Soldering Rework Station

- 3-in-1 design: soldering, desoldering, and hot air station
- 2 LED displays
- Temperature and air pressure settings
- Temperature-lock feature
- Heater and sensor failure detection
- Input voltage: 100-120/220-240VAC @ 60Hz/50Hz
- Soldering iron temperature range: 302°F - 896°F
- Desoldering iron temperature range: 572°F - 842°F
- Hot Air temperature range: 212°F - 896°F
- Fume extractor air volume: 95/115 CFM
- Weight: 26.5 lbs.



2128032



2174741



2174709

- Incorporates the largest pump in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Adjustable air-flow: 2128032: 1.5-40L/min; 2174741: 1.5-7L/min.
- Nichrome heating element
- Power supply: 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100°C - 480°C (212°F - 896°F)
- Temp lock-out feature, password protected
- Sensor/pump failure detection
- Static-free circuit design
- 25W diaphragm pump
- Size: 7.3"W x 5.3"H x 9.6"D • Weight: 10.8 lbs.

2128032 includes: Extra 600W heater, 4 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC popper for IC extraction

2174741 includes: 2 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC extractor

Part No.	Mfr. P/N	Description	1	5
2128032	LF-852D	600W station	\$225.95	\$199.95
2174741	LF-852D-II	1000W station	249.95	229.95
2174709	A1126B	14mm ² QFP nozzle	34.95	31.95
2174717	A1135B	17mm ² PLCC nozzle	34.95	31.95
2174725	A1260B	18x8.6mm SOP nozzle	34.95	31.95

Includes: Soldering iron, desoldering iron, hot-air iron, fume extractor, extra heating element, 2 soldering iron stands, 4 hood tips and 5 tweezers

Part No.	Mfr. Part No.	1	5
2128041	LF-853D	\$599.95	\$549.95

*SMD Rework Stations — Enter Web Code NAT

Heat Sink & Soldering Aid Kit



100378

100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503 includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	100
100378	Clip-on heat sink	\$1.49	\$1.25	\$.99
100503	7-piece soldering kit	8.95	8.49	7.95

*Web Code: NAB

Soldering Stands, Pots & Fume Extractors

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**

Electric & Manual Desolder Pumps

- Easily disassembles for cleaning
 - Replacement tips available
- 2168261:** • UL listed
 • One-hand operation
 • Size: 10.5"L x 1.0"Dia.
- 19166:** Size: 7.8"L x 0.8"Dia.
- 1942139:** Size: 13.3"L x 1.0"Dia.



Part No. Description 1 5
2168261 Electric desolder pump \$26.95 \$23.95
2131021 Vacuum desolder pump 11.95 10.95
1942139 Manual desolder pump 8.95 7.95
19166 Manual desolder pump 8.95 7.95
2168270 1 tips for 2168261 5.95 5.49
2158776 1 tip for 2131021 2.95 2.49
2146610 1 tip for 1942139 1.95 1.69
22091 2 tips for 19166 5.95 5.39



* Web Code: FXC

11-Piece Soldering Aid Tool Kit

This kit combines all the tools you need in order to begin soldering.

Kit includes:

- Tool case
- 30-watt UL listed soldering iron
- Soldering iron stand
- Heat sink clamp • Solder
- Small slotted screwdriver with stripper
- Medium slotted screwdriver
- Medium philips screwdriver
- Pliers
- Soldering tool
- Diagonal cutters



Part No.	Cross Ref. No.	1	5
2132322	GTK-059A	\$19.95	\$18.95

Heavy Duty Solder Stand

- Heavy hardened steel base
- Sturdy screw-on iron holder
- Weight: 1.1 lbs.

Includes: Cleaning sponge



Part No.	Size (L x W x H)	1	5	25
2157651	4.0" x 3.0" x 6.5" ...	\$10.95	\$9.95	\$8.95

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"



Solder not included

Part No.	Size (L x W x H)	Wt. (lbs.)	1	5	25
169551	6.0" x 3.5" x 3.1"	2.0	\$11.95	\$10.95	

* Soldering Stands — Enter Web Code YAU

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft diameter: 0.6"



Solder not included

Part No.	Description	Wt. (lbs.)	1	5	25
141761	Solder stand	1.6	\$12.95	\$11.49	\$9.95

Soldering Tip Cleaner with Stand

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability



156777

Part No.	Description	Wt. (lbs.)	1	5	25
156777	Tip cleaner & stand	0.5	\$6.95	\$6.39	\$5.79
160004	Metal wool replacement	0.1	2.95	2.59	2.29

150-Watt Solder Pot

- On-off switch on handle
- Input voltage: 120VAC
- Maintains pot temp. of 450°C to 480°C (842°F to 896°F)
- 3-conductor power cord: 5' long
- Pot size: 30mm deep x 35mm Dia.



Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2115418	RD-7339	1.2	\$49.95	\$44.95

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- 2 conductor power cord: 5' 9" long
- Holds up to 2.2 lbs. of solder bars recommend P/N 176057, pg 139
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D
- One-year warranty



Part No.	Description	Wt. (lbs.)	1	5
1951625	300W solder pot	5.9	\$89.95	\$79.95

600-Watt Solder Pot

Temperature Adjustable

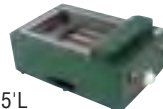
- 2-wire power cord (5' 5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 5.5 lbs. of solder bars pg 139
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D



Part No.	Description	Wt. (lbs.)	1	5
172276	600W solder pot	7.4	\$249.95	\$225.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 57.3 lbs. of solder bar pg 139
- 3 conductor pigtail power cord: 5'L
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- One-year warranty



Power cord not included (recommend P/N 37997, pg 105)

Part No.	Description	Wt. (lbs.)	1	5
149876	2000W solder pot	23.1	\$329.95	\$299.95

* Solder Pots — Enter Web Code HAW

Weller® 20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable, allowing it to be set-up in multiple positions.



- Voltage: 120VAC
- Air consumption: 87-107CFM
- Power consumption: 20W
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Sound level: 45-50dB
- ESD safe
- UL/CUL listed
- Size: 10"L x 6.5"W x 11"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684810	WSA350	4.2	\$69.95	\$64.95
684828	WSA350F (carbon filter)	0.02	7.95	6.95

* Fume Extractors — Enter Web Code HAR

22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack
- Fuse protected
- Noise: 49dB fan
- Air flow: 115 CFM
- 120VAC, 60Hz, 22 watts
- Large surface area with adjustable angles
- Uses 130mm filters
- Size: 7.2"W x 5.4"D x 7.9"H
- One-year warranty



Includes: Detachable power cord

Part No.	Description	Wt. (lbs.)	1	5
2171786	Fume extractor	2.6	\$49.95	\$45.95
127183	Replace. filters (3/pk)	0.05	9.95	8.95

Fume Extractor Kit

Everything you need in order to build your very own mini pocket-sized fume extractor.

- Kit includes:
 - Voltage regulator
 - 12VDC fan
 - Slide switch
 - 2 fan guards
 - Replacement filter
 - Heat shrink
 - Jumper wire
 - Tin enclosure
 - Two 9V batteries w/ clips
- For step-by-step instructions, visit the workshop center at www.Jameco.com/Fume



Part No.	Description	1	5
2137481	13-pc. fume extractor kit	\$24.95	\$21.95

42-Watt Combo Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
183169	456DLX	5.2	\$79.95	\$74.95

Static Eliminator with Arm Stand

Ionized air blower with variable speed control designed for use with sensitive electrical components. Eliminates the problem of electrostatic buildup around workstations.



- Air volume output: 84 cfm (max.)
- Steel enclosure
- Ozone: less than 0.01ppm
- Operating temp.: 32°F - 122°F (0°C - 50°C)
- Air flow area coverage: 5' x 1.3'
- Dimensions: 5.5"W x 8.7"H x 3.3"D



Part No.	Cross Ref. No.	Color	Price
2153473	QK443B	Black	\$249.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Vises, Soldering Accessories & Tape Products

PANA VISE Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"



Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684852	350		5.0	\$99.95	\$89.95

PANA VISE Electronic Work Center

- Size: 8.5"W x 7.8"H
- One-year warranty
- Includes: Circuit board holder, standard base, tray base mount and wire holder



Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
27060	324		5.3	\$99.95	\$89.95

PANA VISE Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)



Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684844	333		6.4	\$89.95	\$84.95

PANA VISE Vacuum Base Vise

- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment
- Jaw size: 2"H x 1"W
- Base dia.: 3.4"
- Height: 7.5"H



Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
251791	209		0.8	\$35.95	\$32.95

PANA VISE Vacuum Base Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

262116



Part No.	Mfr.	Product No.	Wt. (lbs.)	1	5
262116	BenchPro	GV-300	3.3	\$39.95	\$35.95
27131	PanaVise	M381	3.3	69.95	63.95

Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

681002



Part No.	Description	Size	Wt. (lbs.)	1	5
26690	Third hand	2.0"	1.4	\$7.95	\$6.95
72865	With holder/sponge	2.0"	1.4	10.95	9.95
681002	With holder/sponge	3.5"	1.7	12.95	11.49

*Vises — Enter Web Code TAD

Solder Bars, Rolls and Pocket Packs

Due to extraordinary price fluctuations, solder prices are subject to change.

Part No.	Manufacturer	% Composition				Diameter Inches/mm	Weight	Type†	Pricing	
		Tin	Lead	Silver	Copper				1	10
73576	Kester	60	40	—	—	0.031/0.787	0.5 oz.	2	\$3.29	\$2.95
32117	Kester	60	40	—	—	0.031/0.787	1.08 lbs.	1	35.95	33.95
2184616	Kester	60	40	—	—	0.062/1.57	1.03 lbs.	1	35.95	33.95
141786	ValuePro	60	40	—	—	0.031/0.787	1.13 lbs.	1	32.95	29.95
176057	ValuePro	60	40	—	—	—	1.1 lbs.	4	29.95	27.95
2188238	Kester	60	40	—	—	0.093/2.360	1.04 lbs.	1	36.95	32.95
94570	Kester	60	40	—	—	0.051/1.27	1.3 oz.	2	4.95	4.49
2188959	ValuePro	60	40	—	—	0.125/3.000	5.0 lbs.	1	119.95	107.95
73605	Kester	62	36	2.0	—	0.02/0.508	0.35 oz.	2	3.95	3.59
2177694	ValuePro	63	37	—	—	0.015/0.381	1.0 lb.	1	39.95	34.95
151474	Kester*	63	37	—	—	0.031/0.787	1.0 lb.	1	39.95	34.95
2158178	Kester	63	37	—	—	0.050/1.27	1.0 lb.	1	34.95	29.95
115433	Kester	63	37	—	—	0.039/0.991	0.14 oz.	3	.99	.89
668262	ValuePro	96.3	—	3.2	0.5	0.04/1.02	7.2 oz.	1	39.95	36.95
668297	ValuePro	96.3	—	3.2	0.5	0.04/1.02	1.1 lbs.	1	84.95	79.95
2113172	Kester	96.5	—	3.0	0.5	0.031/0.787	0.43 oz.	2	5.95	5.39
2188254	Kester	96.5	—	3.0	0.5	0.031/0.787	1.0 lb.	1	109.95	99.95
668271	ValuePro	96.5	—	3.5	—	0.04/1.02	9.6 oz.	1	44.95	39.95
170457	ValuePro	99.3	—	—	0.7	0.031/0.787	0.8 oz.	2	3.25	2.95
668078	ValuePro	99.3	—	—	0.7	0.04/1.02	9.15 oz.	1	26.95	24.95
209075	ValuePro	99.3	—	—	0.7	0.031/0.787	1.0 lb.	1	36.95	33.95
2188094	ValuePro	99.3	—	—	0.7	—	1.64 lbs.	4	49.95	44.95

*Organic core †1. Roll 2. Packet 3. Coil 4. 13" Bar

*Web Code: ABD



141786



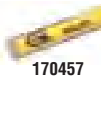
115433



668297



2113172

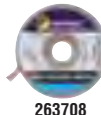


170457

5' Desolder Braids

*Web Code: DAG

Part No.	Manufacturer	Product No.	Description	Width (in.)	1	10
2139137	Techspray	1820-5F	No-Clean, Military & NASA certified	.035	\$4.49	\$3.95
2188748	Philips	ZW050-5	Zip wick military & NASA certified	.050	3.95	3.49
124126	Techspray	1815-5F	No-Clean, Military & NASA certified	.055	4.95	4.49
124118	Techspray	1816-5F	No-Clean, Military & NASA certified	.075	4.95	4.49
263708	Techspray	1817-5F	No-Clean, Military & NASA certified	.098	4.95	4.69
2192430	Philips	ZW100-5	Zip wick military & NASA certified	.100	3.95	3.49
263695	Techspray	1803-5F	Pro wick, pure rosin	.075	3.95	3.75
263599	Techspray	1804-5F	Pro wick, pure rosin	.098	3.95	3.75
263581	Techspray	1811-5F	Pro wick, pure rosin with bobbin	.098	3.59	3.25
41082	ValuePro	GISW20	Desolder braid	.079	1.95	1.75
41100	ValuePro	GISW25	Desolder braid	.098	2.19	1.99
153462	ValuePro	GSR104D	Desolder braid	.120	2.25	1.95
2113130	Chemtronics	60-3-5	Soder-Wick® no clean size 3	0.08	4.95	4.49
2113148	Chemtronics	60-4-5	Soder-Wick® no clean size 4	0.11	5.95	5.39



263708



263695

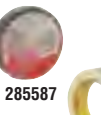


2113130

3M Tape Products

*Web Code: TPS

Part No.	Description	Color	Width	Length	Thickness	1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75"	20 yards	.007"	\$1.49	\$1.25	\$1.09
2153764	Vinyl electrical tape, Temflex™	Black	.75"	20 yards	.007"	1.49	1.35	1.19
285907	Double sided foam tape	White	1.0"	4 yards	.125"	19.95	17.95	15.95
1643551	Embossed copper foil, 1245 tape	Copper	.50"	18 yards	.004"	22.95	21.49	19.95



285587



285907

PANA VISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/coarse adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8" • Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts



Part No.	Mfr.	Part No.	1	5
134439	PVJR	201	\$27.95	\$25.95

360° Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Rubber jaws open 2"
- Size: 10.0"L x 2.5"W



Includes: interchangeable pipe vise attachment

Part No.	Cross Ref.	Wt. (lbs.)	1	5
127167	OR-307	2.1	\$19.95	\$17.95

Helping Hand with LED Magnifier Lamp

This is perfectly suited for soldering comfortably while keeping one hand free. With the LED magnifier light ring, you will be able to see all the details of your project.

- Large lens with 2x magnification
- Small embedded lens to 4x magnification of extremely small parts
- Ring light with 16 LEDs and gooseneck for optimum lighting
- Easily adjustable hinge
- Adjust. third hand w/ 2 alligator clips
- Additional flexible 9.8" (250mm) gripping arm with alligator clip
- Solder wire reel holder
- Soldering iron holder • Cast-iron base
- Stand size: 7.0"W x 7.0"H

*Web Code: YAU

Includes: Power adapter and sponge

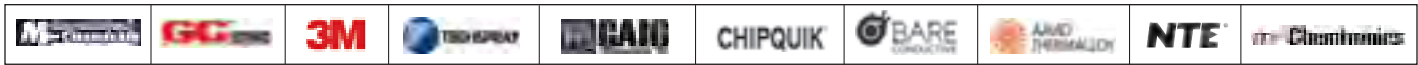
Part No.	Description	Weight	1	5
2168587	Helping hand	2.9 lbs.	\$74.95	\$69.95



*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Workshop Chemicals & Heat Sink Compounds

Jameco has all the solutions to make your job easier. There's a wide variety of products that can be used with any project. Use conductive pens to simplify soldering jobs by just drawing a trace on the circuit board. Solder flux comes in many varieties to help work and rework your soldering jobs. Heat sink compounds take the heat off of your components and eliminate the need for a bulky metal heat sink. Cleaning solutions keep your project looking clean and professional. If there's a way to make your job easier, Jameco can help.



Part No.	Manufacturer	Description	Vol. (oz.)	1	10
2120794	MG Chemicals	Adhesive epoxy, high temperature encapsulating and potting compound*	12	\$44.95	\$42.95
615769	GC Electronics	Adhesive, sealant, silicon, one part, non corrosive, clear	3	5.95	5.49
645845	3M	Super adhesive, household glue #6004*	1	2.95	2.49
263530	Techspray	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	17.95	16.95
2094207	Caig/DeoxIT	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	9.95	8.95
2112524	ChipQuik	Cleaner & tinner, soldering tip for pre-tinning & tinning*	8†	9.95	8.95
2094231	Caig/DeoxIT	Cleaner wash, contact evaporates quickly, safe on plastics*	10	8.95	7.95
2094223	Caig/DeoxIT	Cleaner, contact quick dry, chemically improves metal electronic connections*	0.5	10.95	9.95
118033	Techspray	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
195004	Caig/DeoxIT	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig/DeoxIT	Cleaner & conditioner, soldering tip	0.5	8.95	7.95
2178187	Caig/DeoxIT	Cleaner & conditioner for contacts, chemically improves all metal connections (2 pack)	0.5§	19.95	17.95
616331	GC Electronics	Conductive paint, silver print II*	0.5#	54.95	49.95
2110529	Caig/DeoxIT	Circuit writer pen, silver based, for drawing & repairing traces, works on rubb., epoxy, glass, plastic*	5g†	19.95	17.95
2168464	Bare Conductive	Conductive pen, non-toxic, water-based, water-soluble	0.34	15.95	14.95
2120559	MG Chemicals	Conformal coating, acrylic lacquer, protects from ESD*	2	13.95	12.49
525851	Chemtronics	Cotton swabs, double headed, 6" handle, 100-pack	—	5.95	5.35
616411	GC Electronics	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.49
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	44.95	41.95
139934	Techspray	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	16.95	15.95
2178179	Caig/DeoxIT	Grease, lithium-based with copper particles to assist in oxide & corrosion breakup	1	10.95	9.95
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
236823	ValuePro	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy	Heat sink compound, silicon based grease	2†	8.95	7.95
169252	Techspray	Heat sink compound, silicon free	4†	29.95	26.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	1g†	2.49	2.25
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
263572	Techspray	Isopropyl alcohol, plastic bottle*	16	14.95	13.49
615806	GC Electronics	Solder flux remover & cleaner II, non ODC*	16	11.95	10.95
118041	Techspray	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
1586015	Chipquik	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	8.95	7.95
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
2094258	Caig/DeoxIT	Solder flux, rosin paste for electronic applications including PCBs*	2	9.95	8.95
2113092	Chemtronics	Solder flux, rosin dispensing pen, for electronic applications including PCBs*	0.32	11.95	10.95
2098208	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe*	0.34	22.95	20.95
2098224	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable*	0.34	24.95	22.95
2097441	Chipquik	Solder paste, 96.5% SN, 3% AG, 0.5% CU, no clean 10cc w/ syringe*	0.34	24.95	23.49

*Shipped via ground to continental U.S. only #Troy ounces †Measured by weight §Weight for each

* Workshop Chemicals — Enter Web Code YAQ

* Heat Sink Compounds — Enter Web Code YBA

JAMECO BenchPro Cleaning Brushes

153322: Metal handle
2157669/2157677: Plastic handle 153322

Part No.	Description	Length	1	10	100
153322	Soft bristles	6"	\$0.79	\$0.69	\$0.49
2157669	Brass bristles	7"	1.95	1.75	1.49
2157677	Steel bristles	7"	1.95	1.75	1.49

JAMECO BenchPro Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover
- Color: light blue

Part No.	Cross Ref. No.	1	5	25
158131	450	\$14.95	\$13.49	\$11.95

JAMECO BenchPro Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts

Part No.	Cross Ref.	Size	1	10	100
159126	HT156	2.7"L x 0.7"W	\$2.95	\$2.59	\$2.29

* Cleaning Tools — Enter Web Code CLE

SHAPELOCK Re-Usable Plastic Prototyping Compound

"Shape-then-lock" Design Plastic

Build your invention now – without machine tools. Create super-strong custom parts, prototypes, molds, servo brackets, robot housings, sculptures, science projects, and more.

- Melts at 160°F
- Becomes rigid at room temp.
- Safely hand moldable
- Non-toxic, light weight & paintable
- Can be drilled, sawed & machined

Part No.	Mfr. Part No.	Description	1	5
2112495	01-250	250 gram bag	\$14.95	\$13.49
2112508	01-500	500 gram bag	24.95	22.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.