

Test Equipment

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
- 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

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
- 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

Reconditioned Equipment 20MHz Industrial ScopeMeter®

Digital Scope, 15-Function Digital Multimeter & Recorder



The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing and amplitude for stable displays.

- Same as new factory warranty
- Dual-input TrendPlot™ recorder
- Dual-input 40MHz or 20MHz digital oscilloscope
- Two 5000-count true-RMS digital multimeters
- 600V CAT III safety certified
- Optically-isolated interface for PC connection
- Up to 7 hours battery operation

Includes: Battery pack with charger and test leads



Part No.	Mfr. Part No.	Price
162747	123/003R (without software)	\$1,195.00

20MHz & 30MHz 2-Ch Oscilloscope

- 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
2218265	OS-5020A	20MHz	\$424.95

PC-Base Oscilloscope, Logic Analyzer and Pattern Generator

- 100MHz spectrum analyzer/FTF
- 200 MSA/s logic analyzer
- 100 Mpt/s pattern generator
- 60MHz bandwidth
- 2 GSA/s oscilloscope
- 8 logic analyzer inputs & 1 pattern generator



Part No.	Mfr. Part No.	1	5
2207241	MSO-19	\$249.95	\$234.95

2 Channel - DC to 20MHz Analog Oscilloscope w/ Function Generator

- Frequency Range: 1Hz to 1MHz
- 6" Rectangular CRT Display
- Resolution/Sensitivity: 1mV/div
- V Mode Switch: CH1, CH2, DUAL and ADD
- Vertical deflection and Sweep Magnification: X5



Functions Blocks:

- Display and Power
- Function Generator: Triangle, Sine, Square and TTL-level Square waves.
- Vertical Amplifier
- Sweep and Trigger

Basic Measurements:

- Single & Dual Trace Measurement
- Trigger Selection
- X-Y Measurements

Measurement Applications:

- Amplitude
- Phase Difference
- Dimension: 320mm (W) x 140mm (H) x 430mm (L)
- Operation: Output Frequency Adjustment & Waveform Selection, DC Output, and TTL Output
- Time Interval Frequency
- Rise Time

Part No.	Mfr. Part No.	1	5
2145246	OS-5020G	\$549.95	\$525.95

Oscilloscope Tutor Kit

This board generates a number of safe "real world" signals that can help you learn terms such as V/div, as well as the measurement quantities of AC, DC, frequency and more. Most experiments can be done with a digital or analog scope. Learn more about oscilloscopes with this Kit!



- Signals: alternating current (AC), adjustable AC, full wave and half-wave rectified AC, smoothed direct current (DC), ripple, astable oscillator
- No soldering required, assembled and tested
- Power supply: 9-12VAC, min. 100mA (recommend P/N 100061)
- Size 4.6"L x 2.9"W x 0.9"H

Part No.	Mfr. Part No.	1	5
2175568	EDU06	\$29.95	\$28.49

108W Desktop Power Supply

- Load regulation: ±2%
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple & noise max.: 120mVp-p
- Front panel on/off switch and 3 color LED loading indicator
- Voltage adjustment range: 12-15VDC
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- 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	10
673230	ESP-120-13.5	\$45.95	\$39.95

17MHz Logic Probe

- Maximum input frequency: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Input impedance: 1MΩ
- Audible tones for high and low
- 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	\$36.95	\$32.95

*Frequency Counters — Enter Web Code VCG

Logic Probe Kit



This kit will help you easily monitor digital signals, whether they are on or off. It tests digital circuits at various points to see if they are low, high, or constantly changing, which is perfect for troubleshooting several kinds of digital circuits including timers, clocks, counters and more.

Part No.	Mfr. Part No.	1	5
662725	EBLOG-300A	\$10.95	\$9.95

4, 8 & 16-Channel Logic Analyzers

- Edge and pulse width trigger
- Digital max. sample rates (range): 1-500MSPS*
- Analog max. sample rates (range): 10-50MSPS*
- Digital bandwidth (range): 3-100MHz square wave*
- Analog bandwidth (range): 600kHz - 5MHz*
- Compatible with Windows®, Linux and MAC OS®



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")	Price
2217140	4-channel	1.7 x 1.7 x 0.39	\$104.95
2217131	8-channel	2.1 x 2.1 x 0.46	219.95
2217123	8-channel	3.6 x 3.6 x 0.59	474.95
2217115	16-channel	3.6 x 3.6 x 0.59	598.95

*Dependent on logic analyzer and channel, available in red