

Global Frequency Counter

- Hand-Held, Battery Operated
- 1300 MHz Range, 0.0001 MHz Resolution
- High Sensitivity at All Frequencies
- Auto Power-Down Function

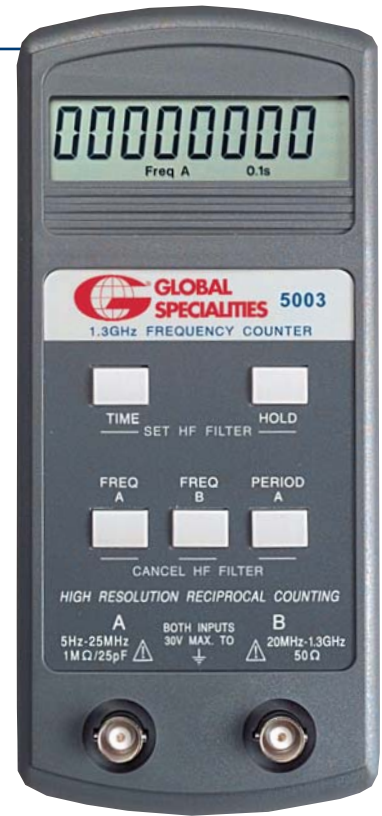
A Full-Function Counter You Can Carry with You

The 23817E gives you features you'd find in a bench unit—in a package the size of a DMM. It has a wide range that doesn't sacrifice resolution; selectable low-pass filter for stability at low

frequencies; and a low-error, low-drift crystal timebase. Sensitivity is high across the whole range—no dead spots.

Unit is simple to use: just push a button for instantaneous readings. Freeze the display as needed to capture non-continuous signals or record results; glance at the 8-digit LCD to check function, status, and measurement units.

NOTE: Batteries NOT included.



▲ 105-5003

Specifications

	Range A	Range B
Frequency		
Range:	5 Hz to 25 MHz	20 MHz to 1.3 GHz
Resolution*:	10–7 Hz to 10 Hz	1 Hz to 1 kHz
Accuracy:	±(1 digit + timebase error)	±(1 digit + timebase error)
Input Impedance:	1 MΩ/25 pF	50 MΩ nominal
Sensitivity:	Sinewave, 15 mV RMS, 10 Hz to 20 MHz	10 mV RMS, 20 MHz to 7000 MHz; 50 mV RMS to 1.3 GHz
Period		
Frequency Range:	5 Hz to 25 MHz	
Resolution*:	10–7 ns to 1 μs	
Accuracy:	±1 digit + timebase error	
Timebase Error:	±2 ppm (10 MHz crystal)	
Power:	9V alkaline battery, 12-hr. continuous use or 3000 "press-to-measure" readings; or 6 to 12V DC thru AC adapter	
Size:	7 x 3.2 x 1.2" HWD	
Weight:	7 oz (without battery)	

*Dependent on measurement time and input frequency

Ordering Information

Order #	Mfg #	Description	Price
MP23817E	105-5003	Hand-held Frequency Counter	
MP23817E-1	111-0110	Carrying Case	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

**For Leads and Accessories,
see pages C18-C21**

Hioki LCR Meter

- High Speed Measurement: 20 ms (1 kHz) or 30 ms (120 Hz)
- High Precision Accuracy: ±0.08% (z)
- Built-in Comparator (upper/lower limit, Absolute)
- 5 Digit Resolution
- RS-232C is Standard (GPIB Optional)

Specifications

Measurement Parameters:	Z , q, C, L, D, Q, R
Source Frequency:	120 Hz or 1 kHz
Measurement Ranges:	Z , R: 10 mΩ to 200.00MΩ (depending on condition), q: -90.00 to +90.00°, C: 0.940 pF to 999.99 mF, L: 1.600 μH to 200.00 kH, D: 0.0001 to 1.1900, Q: 0.85 to 999.99
Basic Accuracy:	Z : ±0.08% rdg., q: ±0.05°
Power Supply:	100 to 240V AC, 50/60Hz, *selectable type
Dimensions, Weight:	210W x 100H x 168D mm, 2.5 kg
Accessories:	Power Cord (1), Fuse (1)



▶ 3511

Ordering Information

Order #	Mfg #	Description	Price
MP3511HK	3511	LCR Tester	
MP9140	9140	Four Terminal Probe (DC to 100 kHz)	
Options (The 3511 cannot be used alone. Measurement requires optional test fixture or probe.)			
MP9143HK	9143	Pincher Probe (DC to 5MHz)	
MP9261	9261	Test Fixture (Cable Connection DC to 5 MHz)	
MP9262	9262	Test Fixture (Direct Connection DC to 5 MHz)	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Meterman LCR Meter

Model LCR55 has 28 control positions to measure a wide range of component values. Measure Inductance with seven ranges from 200 μ H to 200H. Achieve a resolution of 0.1 μ H in the 200 μ H range. The Capacitance feature has nine ranges from 200 pF to 20 mF. It provides resolution of 0.1 pF in the 200 pF range. Measure resistance with seven ranges from 20 Ω to 20 M Ω , its extremely fine resolution is 0.01 Ω in the 20 Ω range. Meter allows you to zero out stray capacitance or resistance with a front panel control. LCR55 also tests diodes, including microwave diodes and has test socket for transistor testing.

Model LCR55 has a large 0.7" LCD display and is shipped with one pair of test leads and alligator clips.

Ordering Information

Order #	Mfg #	Description	Price
MPLCR55	LCR55	LCR Meter, Hand Held	
MPH30Y	H30Y	Protective Holster	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL



LCR55

B & K Capacitance Meter

- Ten Ranges
- High Resolution

Specifications

Ranges:	10 automatically selected from 199.9 pF to 199.9 mF
Accuracy:	$\pm 0.2\%$ of rdg, $+0.5$ pF + 1 d to 19.99 μ F; $\pm 1.0\%$ of rdg, + 1 d > 20 μ F
Resolution:	0.1 pF, lowest range
Display:	31/2-digit LCD
Power Supply:	Four C batteries, alkaline
Size/Weight:	4.4 x 6.4 x 2.4" HWD/1.6 lbs

Ordering Information

Order #	Mfg #	Description	Price
MP7494E	830A	Autorange Digital Capacitance Meter	
MP7495E	BC-28	AC Adapter/Charger	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

Each Unit Includes:

Tilt-stand (804-025-9-001), spare fuse (1A, 250V), and instructions.

NOTE: The 9V alkaline batteries are not included.



830A

B & K LCR Meter

- Measures Capacitance, Resistance, and Inductance
- Dual LCD Displays for Measured Value and Q or DF

Specifications

"C" Range/Accuracy:	10 mF to 1000 pf/ $\pm 0.7\%$ + 3 counts, typical
"R" Range/Accuracy:	10 M Ω to 10 Ω / $\pm 0.5\%$ + 3 counts, typical
"L" Range/Accuracy:	10 H to 1 mH/ $\pm 0.7\%$, typical
Size/Weight:	1.5 x 3.5 x 7.6" HWD/13.8 ozs

Ordering Information

Order #	Mfg #	Description	Price
MP4934E	878	LCR Meter/Dual Display	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

Each Unit Includes: Test leads (3468E), AC adapter, and instructions.

NOTE: The 9V alkaline batteries are not included.



878