

Global Frequency Counter

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

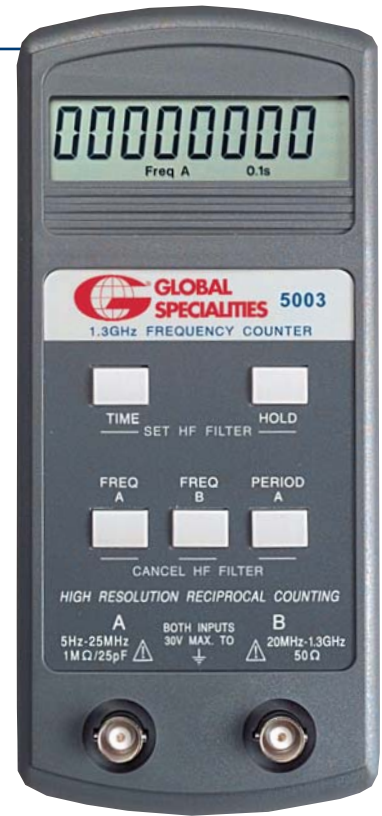
A Full-Function Counter You Can Carry with You

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)	

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