

MTQ4910 - LCR METER (BENCHTOP/AUTOCOMPUTE)



This series digital bridge adopts 3.5-inch LCD, has friendly user interface and various measurement functions, supports multiple test frequencies and test levels, with basic accuracy up to 0.1%. USB can facilitate remote operation. The Handler interface facilitates the automatic sorting of components.

BASIC FEATURES

- ✓ Measuring frequency up to 100 Hz to 10 KHz.
- ✓ Level range (100-2000) mVrms.
- ✓ Main parameter: L/C/R/Z; secondary parameter: X/D/Q/θ/ESR
- ✓ Internal bias voltage (0-1500) mV.
- ✓ Automatic identification of component type.
- ✓ Range can be automatically or locked.
- ✓ Support DC resistance, electrolytic capacitance measurement.
- ✓ Data recording function.
- ✓ 3.5-inch LCD, support English and Chinese interface.
- ✓ USB, RS232 communication interface, support
- ✓ SCPI / LABVIEW communication protocol.
- ✓ Handler interface, support comparator sorting, list scan.



MODEL	MTQ 4910
Excitation source frequency (Hz)	10 points (100, 120, 200, 400, 800, 1k, 2k, 4k, 8k, 10k)
Digits	Main parameter: 5 digits; secondary parameter: 5 digits
Parameter	Main parameter: L/C/R/Z; secondary parameter: X/D/Q/θ/ESR
Range(L)	0.001μH - 9999H
Range(C)	0.001pF - 9999μF
Range(R)	0.0001Ω - 99.99MΩ
Basic Accuracy	0.1%
Measurement Display Speed	2 times/second (slow), 5 times/second (medium-speed), 10 times/second (fast)
Internal Bias	0-1500mV adjustable, 1mV stepping
Test Level(Vrms)	100mV, 300mV, 600mV, 1000mV, 1500mV, 2000mV
Correction Function	Open circuit correction, short circuit correction
Screening function	Tolerance range: -100% ~ +100%, with fixed points of 10%, 25% and 50%
Selection of comparator	Five gear sorting, third gear qualified, one gear failed, one ancillary gear
Communication Interface	Standard configuration: USB, RS232 (or 485), Handle interface; Optional: GPIB, USB Host
Others	Support DCR, electrolytic capacitor measurement mode, adjustable backlight brightness, optional in English and Chinese Supports SCPI / LABVIEW
Accessories	Mains Cord , Kelvin Probe , USB Cable , Manual