

## MPT LCR01B Broadband precision LCR meter

### Feature Specifications:

- DSP based LCR meter.
- Dual display with Measure parameters include (main-parameter) Z, Cp,Cs, Lp,Ls, DCR, and (sub-parameter) ESR, D, Q,  $\theta$  .
- 0.2% basic accuracy.
- 1MHz, 500KHz, 100KHz, 10KHz, 1KHz, 100Hz, 6 test frequencies.
- 1Vrms, 0.3Vrms, 0.1Vrms, 1.25Vdc (for DCR) sources
- Equipped with Shorting Bar, Operation Manual, 5-wire Kelvin test clips, 5-wire SMD test tweezers, Lithium-Ion rechargeable battery, power adapter.
- Short circuit/Open circuit calibration
- Size 178mm × 86 mm × 45mm; 300g



The MPT LCR01B meter is the handheld one that adapts DSP technology to achieve a wide range of test frequencies from 100Hz up to 1MHz, and measurement parameters including Z, Lp,Ls, Cp,Cs, DCR, ESR, D, Q and  $\theta$  as well.

The MPT LCR01B meter is designed for both component evaluation on the production line and fundamental impedance testing for bench-top applications. With a built-in direct test fixture you can test the lead components very easily.

The 5-wire test clip can give a convenient connection to larger components and assemblies with the accuracy of 5-wire testing. The LCR meter offers fast, reliable and versatile testing at low cost. The MPT LCR01B will be the handy partner of engineers.

Parameter	Range	Accuracy @ 10K-100Hz	Accuracy@ 100KHz	Accuracy@ 500KHz	Accuracy@ 1MHz
Z	0.000 $\Omega$ ~ 9999M $\Omega$	0.2% $\pm$ 1	0.4% $\pm$ 1	0.5% $\pm$ 1	0.5% $\pm$ 1
L	0.0XXnH ~ 9999H	0.2% $\pm$ 1	0.4% $\pm$ 1	0.5% $\pm$ 1	0.5% $\pm$ 1
C	0.000pF ~ 9999F	0.2% $\pm$ 1	0.4% $\pm$ 1	0.5% $\pm$ 1	0.5% $\pm$ 1
DCR	0.000 $\Omega$ ~ 9999M $\Omega$	*	*	*	*
ESR	0.000 $\Omega$ ~ 9999 $\Omega$	*	*	*	*
D	0.000 ~ 9999	$\pm$ 0.002	$\pm$ 0.004	$\pm$ 0.01	$\pm$ 0.01
Q	0.000 ~ 9999	*	*	*	*
$\theta$	- 180.0° ~ 180.0°	$\pm$ 0.1	$\pm$ 0.2	$\pm$ 0.5	$\pm$ 0.5

\*base on calculation