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## LCR and Impedance Meter



LCR45

Support

Support



electronic design ltd

### Features

- supplied with removable, gold-plated hook probes
- fluid measurements with hold function
- automatic or manual component type
- automatic or manual test frequency, DC, 1 kHz, 15 kHz or 200 kHz
- enhanced measurement resolution: 0.2  $\mu$ H, 0.2 pF and 0.2 Ohm
- easy menu system for user settings
- enhanced compensation for component parasitics and losses (such as core losses, etc.)
- automatic or manual power-off

### Specifications

- resistance:
  - range: 0 Ohm to 2 MOhm
  - resolution: 0.1 Ohm
  - accuracy:  $\pm 1.0\% \pm 0.6$  Ohm
- capacitance :
  - range: 0.5 pF to 10000  $\mu$ F
  - resolution: 0.2 pF
  - accuracy:  $\pm 1.5\% \pm 0.6$  pF
- inductance:
  - range: 1  $\mu$ H to 10 H
  - resolution: 0.2  $\mu$ H
  - accuracy:  $\pm 1.5\% \pm 0.6$   $\mu$ H
- passive component impedance:
  - Re & Im:  $\pm 1.5\% \pm 10$  LSD
  - magnitude:  $\pm 1.5\% \pm 10$  LSD
  - phase:  $\pm 5\%$
- measurement sample rate: 0.5 Hz to 2 Hz
- peak test voltage (across O/C): -1.05 V to 1.05 V
- peak test current: -3.25 mA to 3.25 mA
- test frequency accuracy:
  - 1 kHz:  $\pm 0.5\%$
  - 14.9254 kHz:  $\pm 0.5\%$
  - 200 kHz:  $\pm 0.5\%$
- sine purity: +60 dB 3rd harmonic
- operating temperature range: 10° C to 40° C / 50° F to 104° F
- battery operating voltage: 8.5 V to 13 V

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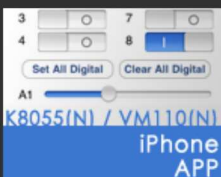
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