



ET1080 Series Digital LCR Meter



Product Description

ET1080series handheld bridge is combined with 2.8 inch TFT display, flexible and convenient key operation and USB full speed communication , large capacity lithium battery can guarantee the long time work. Not only has comprehensive measurement parameters, but also can carry out deviation measurement and selection, output frequency can be adjusted continuously; in the performance, the basic accuracy of 0.2%.

(一) Features

- Ø The measurement frequency reach to 100kHz, the 1Hz stepping can be adjusted continuously.
- Ø DC resistance, electrolytic capacitance measurement
- Ø Internal bias voltage output (10mV-500mV)
- Ø Automatic identification of component measurement
- Ø Support for screening and deviation measurement
- Ø 2.8 inch TFT display, 4 half display
- Ø USB communication interface
- Ø Large capacity lithium battery power supply
- Ø Support SCPI protocol
- Ø Provide system settings, according to their own requirements configuration language, buzzer, screen brightness, etc.
- Ø Basic measurement accuracy 0.2%, measurement speed can be adjusted
- Ø Manual and automatic range
- Ø Open circuit fault

General parameters

| Model | ET1080A | ET1080B | ET1080C | ET1080 D | ET1080E |
|---|---|---|------------------------------------|--|--|
| Measurement parameters | Main parameter : L/C/R/Z Secondary parameter : X/D/Q/θ/ESR | | | | |
| Equivalent mode | Series, parallel | | | | |
| Mode of range | Manual, automatic | | | | |
| Measurement speed | Fast (4 times/s) , medium (2 times /s) , slow (1 times /s) | | | | |
| Configuration of the test terminal | 3-terminal, 5-terminal | | | | |
| Correction function | Short circuit, open circuit | | | | |
| Communication interface | Mini-USB (virtual serial port) | | | | |
| Frequency of test signal | 100Hz, 120Hz, 1kHz, 10kH | 100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz | 100Hz, 120Hz, 1kHz, 10kHz | 100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz | 10Hz-100K Hz adjustable, 1Hz stepping |
| Level of test signal | 0.6Vrms | | 0.6Vrms, 0.3Vrms, 0.1Vrms | | 0.1Vrms-0.75Vrms adjustable, 1mVrms stepping |
| Output impedance | 100Ω | | | | |
| Highest accuracy (see accuracy indicators for details) | Resistance: 0.25% Capacitance: 0.4% | | 0.2% | | |
| Electrolysis and capacitance mode | No | | Yes | | |
| DCR mode | No | | Yes | | |
| Internal bias | No | | 0-500mV adjustable, 1mV stepping | | |
| Scope of measurement | L:0-2000H C : 0-20mF R : 0-20MΩ | | | | |

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|-----------------------|---|-------------------|
| Correction function | Open circuit correction | |
| Screening function | The limit range can be set to 1%-50%, which is fixed at 1%,5%,10%,20% | |
| Deviation measurement | The percentage of deviation between the nominal value of the component and the setting and display | |
| else | Adjust backlight brightness, Device USB, automatic shutdown time can be set | |
| ACCESSORIES | | |
| STANDARD | 1,Mini-USB data Wires; 2, power adapter; 3, short circuit chip; 4,red&black rubber plug; 5,large capacity lithium battery | |
| | | Kelvin test clip |
| Optional | Kelvin test clip SMD test clamp | SMD testing clamp |