



HCTEST TECHNOLOGY CO.,LTD.

## Precision LCR Meter

AT-1200



### Product Features

- 7" LCD Display
- System provides 20 Hz—2M Hz (10mHz Step)
- Output impedance 30  $\Omega$ , 100  $\Omega$ , 10 /100, 10 /CC
- Basic Accuracy 0.05%
- Test Volt. Normal: 5mV~2V
- Auto level Control (ALC)
- Frequency response graph mode
- Software upgrade by USB HOST

### Test Item

| Z|, |Y|, C, L, X, B, R, G, D, Q,  $\theta$ , DCR

| RANGE          |                                      |
|----------------|--------------------------------------|
| Z , R, X       | 0.01m $\Omega$ — 99.9999 M $\Omega$  |
| DCR            | 0.01 m $\Omega$ — 99.9999 M $\Omega$ |
| Y , G, B       | 0.00001 $\mu$ S — 99.9999S           |
| C              | 0.00001pF — 9.9999F                  |
| L              | 0.00001 $\mu$ H — 9999.99H           |
| D              | 0.00001 — 9.9999                     |
| Q              | 0.00001 — 9999.9                     |
| $\theta$ (DEG) | -179.999 °— 179.999 °                |

### Specifications

|                |      |                                         |
|----------------|------|-----------------------------------------|
| Temp. Humidity |      | 0 $^{\circ}$ C — 40 $^{\circ}$ C, 90%RH |
| Power          | Volt | 110V $\pm$ 10%<br>Or 220 $\pm$ 10%      |
|                | Freq | 47.5Hz—63Hz                             |

|                   |                   |
|-------------------|-------------------|
| Power consumption | ≤ 80VA            |
| Size (W×H×D)      | 398mm×129mm×370mm |
| Weight            | About 9Kg         |

| Comprehensive      |                                                            |
|--------------------|------------------------------------------------------------|
| Test Freq.         | 20Hz~2MHz, (10mHz Step )                                   |
| Basic Accuracy     | 0.05%                                                      |
| Equivalent Circuit | Series, Parallel                                           |
| Comparator         | Upper and Lower test limits in units and percentage        |
| Test mode          | Auto, Continued, Manual                                    |
| Touch mode         | Internal, Manual, External                                 |
| Test speed (≥1kHz) | Fast: 75t/sec, <b>Medium:</b> 12t/sec, <b>Slow:</b> 3t/sec |
| average number     | 1—255                                                      |
| Delay Time         | 0—60s, 1ms step                                            |
| Calibration        | open/ short / load                                         |
| Test configuration | Five end                                                   |
| Display mode       | Δ, Δ%, V/I ( Voltage / current monitoring )                |
| LCD                | 7' LCD                                                     |
| <b>Test signal</b> |                                                            |
| Freq.              | 20 Hz—2MHz                                                 |
| Output impedance   | 30 Ω, 100 Ω, 50Ω, 10 /CC                                   |
| Test Volt.         | 5mV~2V <b>Accuracy:</b> 10%                                |
| Memory             | 100(Internal) , 500 (External)                             |
| Interface          | RS232C、HANDLER、USB HOST, (OPTION GPIB )                    |

#### Purchase information

**AT-1200** Precision LCR Meter

#### Accessories

AT26001A Four wire Kelvin cable  
AT26004-1 Four wire Kelvin cable  
AT26010A Gold plated circuit / Short board  
AT26009B SMD Test clamp  
AT26008A SMD Test Box  
AT10201 Software