

LCR-6000 Specifications

The specifications apply when the LCR-6000 is powered on for at least 30 minutes under +18°C~+28°C.



| TEST FREQUENCY | |
|----------------------------------|--|
| | LCR-6300: 10Hz ~ 300kHz(±0.01%) (4 digits resolution) LCR-6200: 10Hz ~ 200kHz(±0.01%) (4 digits resolution) LCR-6100: 10Hz ~ 100kHz(±0.01%) (4 digits resolution) LCR-6020: 10Hz ~ 20kHz(±0.01%) (4 digits resolution) LCR-6002: 10Hz ~ 2kHz(±0.01%) (4 digits resolution) |
| OUTPUT IMPEDANCE | |
| | 30Ω / 50Ω / 100Ω selectable |
| BASIC ACCURACY | |
| Slow / Med | 0.05% |
| Fast | 0.1% |
| TEST SPEED | |
| | FAST:25ms / MED:100ms / SLOW:333ms |
| TEST SIGNAL LEVELS | |
| AC Voltage | 10.00mV- 2.00V (±10%) CV :10.00mV- 2.00V(±6%) |
| Current | 100.0μA- 20.00mA (±10%) CC :100.0μA- 20.00mA(±6%) (@2VMax) |
| DCR | +2V, 0.066A(Max.), Output impedance fixed 30Ω |
| DC BIAS | |
| Internal | ±2.5V (0.5%+0.005V) |
| DISPLAY RANGE | |
| R, X, Z | 0.00001Ω ~ 99.9999MΩ |
| G, B, Y | 0.01nS ~ 999.999S |
| L | 0.00001μH ~ 9999.99H |
| C | 0.00001pF ~ 9999.99mF |
| D | 0.00001 ~ 9.99999 |
| Q | 0.00001 ~ 99999.9 |
| θd | -179.999° ~ 179.999° |
| θr | -3.14159 ~ 3.14159 |
| DCR | 0.00001Ω ~ 99.9999MΩ |
| Δ% | -99999% ~ 99999% |
| TEST MODE | |
| 16 Combinations | Cs-Rs, Cs-D, Cp-Rp, Cp-D, Lp-Rp, Lp-Q, Ls-Rs, Ls-Q, Rs-Q, Rp-Q, R-X, Z-θr, Z-θd, Z-D, Z-Q, DCR |
| Monitor parameter (2 selectable) | Z, D, Q, Vac, Iac, Δ, Δ%, θr, θd, R, X, G, B, Y |

| LISTED MODE | |
|--------------|----------------------------|
| | 10 steps |
| BIN FUNCTION | |
| | Comparator (9BIN,AUX:1BIN) |

LCR-6000_Spec_E_1

| MEMORY | |
|--------------------------|--|
| INT – panel setting | 10 file name |
| INT – measured data | 10000 Data(.csv) |
| USB storage | 10 file name for setting, 9999 file name for data, 999 Log file for LCD screen |
| OTHER FUNCTION | |
| Auto Level Control (ALC) | ON/OFF |
| Average | 1~256 times |
| Trigger | INT / MAN / EXT / BUS |
| Delay | 0ms~60s |
| Judgment | PASS / FAIL |
| Auto LCZ | ON / OFF |
| Screen Capture | Saving in to USB (Bmp file) |
| DISPLAY | |
| | 3.5"LCD, RGB color (320x240) |
| INTERFACE | |
| | RS-232(SCPI), Handler, USB Host/Device |
| POWER SOURCE | |
| | AC 100V-240V, 50-60Hz, Max. 15W |
| DIMENSION & WEIGHT | |
| | 265(W)x107(H)x312(D) mm, Approx.3kg |

LC



<https://tecpel.com>

E-mail: sales@tecpel.com

R-6000_Spec_E_2