

LCR METER

CKT10000A/8000/5000/3000/2000/1000/500/300/200 PRECISION DIGITAL LCR METER

09



INTERFACE:

- RS232C
- USB HOST
- HANDLER
- HEADSET
- FOOT SWITCH

BRIEF INTRODUCTION

CKT10000A/CKT8000/CKT5000/CKT3000/CKT2000/CKT1000/CKT500/CKT300/CKT200 is precision LCR meter for inspection of all kinds of electronic components. Using 7 inches LCD TFT display. It is a high-speed, broadband, 6-bit test resolution of the impedance measuring instrument, multi frequency points and 0.05% accuracy can meet the requirements of various occasions' component parameters detection. It is a high cost of quality testing equipment.

STANDARD ACCESSORIES



Kelvin Test clip



Test fixture



Short-circuit slice



RS232 Communication cable



AC Power Cord

FEATURES:

- 7 inches LCD TFT display
- U disk copy screen
- Real-time data storage
- The frequency response curve analysis

SPECIFICATION:

| SPECIFICATIONS | |
|---|---|
| CKT10000A/CKT8000/CKT5000/CKT3000/CKT2000/CKT1000/CKT500/CKT300/CKT200 Precision Digital LCR Meter | |
| Parameters | Z , Y , C, L, X, B, R, G, D, Q, θ , DCR |
| Display Mode | Direct, Δ , $\Delta\%$, V/I |
| Basic Accuracy | 0.05% \pm 5 dgt, DCR:0.1% |
| Frequency | CKT10000A: 10Hz~10MHz; CKT8000: 10Hz~8MHz (continuous frequency) CKT5000: 20Hz~5MHz; CKT3000: 20Hz~3MHz; CKT2000: 20Hz~2MHz; CKT1000: 20Hz~1MHz (continuous frequency) CKT500: 12Hz~500KHz; CKT300: 12Hz~300KHz; CKT200: 12Hz~200KHz (continuous frequency) |
| Display Range | Z,X,R:0.01m Ω ~99.9999M Ω DCR:0.001m Ω ~99.9999M Ω Y,G,B: 0.00001 μ S~99.9999S C:0.00001pF~9.9999F L:0.00001 μ H~9999.99H D:0.00001~9.9999 Q:0.00001~9999.9 θ (rad): -3.14159 ~ 3.14159 θ (deg): -179.999 ~ 179.999 |
| Source Resistance | 30 Ω , 50 Ω (CKT1000/2000/3000/5000/8000/10000A), 100 Ω ,10/CC |
| Range | Auto, Hold, Manual selection |
| Comparator | 11-bin sorting (9-bin GD, 1-bin NG, 1-bin AUX) |
| Signal Level | 10mV~5V (CKT1000, CKT500/300/200: 5 mV~2V), accuracy: 10%; Constant level: 10 mV~1 V, accuracy: 5% |
| DC Bias Source | -5V~+5V; -100mA~+100mA (CKT1000, CKT500/300/200: 0V,1.5V, 2V), accuracy: 1% |
| Trigger Mode | INT, MAN, EXT, BUS |
| Speed | 200t/s, 12t/s, 3 t/s, 1-255 times average is available; CKT1000/CKT500/CKT300/CKT200: 75t/s, 12t/s, 3 t/s |
| List Test | 10 group frequency and level scanning measurement |
| Adjustment | Open / short / load |
| Files | U disk copy screen, real-time data storage, which can support the FAT16 format, FAT32 file system |
| Interface | RS232C, USB HOST, USB DEVICE, HANDLER, Headset interface, Foot switch interface |
| Others | The frequency response curve analysis; Can save the file to the instrument or U disk |
| GENERAL FEATURES | |
| Power Supply | Voltage: 110V/220V; Frequency: 50Hz - 60Hz |
| Size and Weight | 375mm(W) *135mm (H) *350mm(L) 7kg |
| ORDERING INFORMATION | |
| Accessories | Kelvin Test clip; Test fixture; Short-circuit slice; RS232 Communication cable; AC Power Cord |
| Optional | SMD patch test fixture; SMD patch test clip |