

LCR Meter

Digital LCR Meter (Eco. type) TL-3600 Series

Product description:

LCR digital bridge is a high-precision, wide-range impedance measurement instrument that can be easily upgraded to replace the *2810B/*2817B. It allows for convenient selection of the test frequency and signal level. It can measure various parameters such as inductance (L), capacitance (C) and resistance (R). It meets the needs of high-speed inspection in production environments as well as the high-precision, high-stability measurement requirements of laboratories. Furthermore, the instrument's multiple interfaces, including HANDLER and RS232C, enable its use in automated component sorting systems, network communication with computers.



TL-3600 series

Features

- Frequency up to 100KHZ, 10 frequency points selectable.
- Testing speed up to 30 tests/second, with customizable higher speeds
- Direct reading/absolute deviation/relative deviation
- Built-in comparator: 4-level sorting
- Parameter setting protection function
- Audible and visual alarms for good and bad products
- Strong shock resistance

Ordering Informations

TL-3601-4 : 100Hz ~ 10kHz (4 points test freq.) LCR Meter

TL-3610-10 : 50Hz ~ 100kHz (10 points test freq.) LCR Meter

Standard Accessories :

- User Manual
- Power cord
- TL-39Y04 Kelvin test cables
- Test report

Optional Accessories :

- TL-39Y05 Test fixture
- TL-39Y08 SMD test fixture
- TL-39Y11 SMD test fixture



TL-39Y04
Kelvin test cables



TL-39Y05
Test fixture



TL-39Y08
SMD test fixture

TL-39Y10
Fine Test fixture



Specifications

Model		TL-3601-4	TL-3610-10
Test Frequency		100Hz, 120Hz, 1kHz, 10kHz	50Hz, 60Hz, 100Hz, 120Hz, 1kHz, 10kHz, 20kHz, 40kHz, 50kHz, 100kHz
Test Parameters		L-Q, L-D, C-D, R-Q, IZI-Q, IZI-D	
Test Level		0.1Vrms, 0.2Vrms, 1Vrms	
Basic Accuracy		0.1%, subject to the precision table	0.05%, subject to the precision table
Display Range	IZI, R, X	0.1mΩ ~ 99.999MΩ	0.1mΩ ~ 99.999MΩ
	L	0.0001μH ~ 999.99H	0.0001μH ~ 999.99H
	R	0.01mΩ ~ 99.999MΩ	0.1mΩ ~ 99.999MΩ
	Q	0.01 ~ 9999.9	0.1 ~ 9999.9
	C	0.0001pF ~ 9.9999F	0.0001pF ~ 9.9999F
Test Speed		Fast : 30 time/sec, Medium : 6 time/sec, Slow : 1.5 time/sec	
Signal Source Impedance		30Ω, 100Ω	
Range Mode		Auto, Hold	
Trigger Mode		INT/MAN/EXT	
Calibration Function		Open circuit/short circuit, full frequency reset	
Equivalent Circuit		Series, parallel	
Comparator		BIN0 ~ BIN3, NG, Pass, Fail PASS, HI, LOW (PASS/FAIL LED display), buzzer prompt	
Interface		RS-232C, USB Host, USB Device, Handler	
Working Environment		Temperature : 0 ~ 40°C, Humidity : ≤75%RH	
Input Power		198 ~ 242 Vac, 46 ~ 64Hz, >50VA	
Dimension (WxHxD)		310x110x315 mm.	
Weight		4.5 kg.	