

Features

- Economical and practical LCR meter with test frequency up to 100kHz
- Comprehensive measurement parameter, stable readings
- Easy operation with strong functions
- SMT surface mount technic
- Fast measurement speed (20meas/sec) to meet the test system requirements
- Selectable signal source output impedance: 30Ω, 100Ω
- 5 Bins comparator
- USB, RS-232C and HANDLER interface

Brief Introduction

U2817B LCR meter is newly-developed component measurement instrument providing high performance at low cost. U2817B with its latest measurement technologies, large character LCD display, surface mount technique, easy of use and excellent appearance can be used for quality control on production line, incoming inspection of components and automatic test system. The RS-232C interface can be used to carry out remote control and statistics and analysis of measurement results.

Specifications

Function	
Measurement parameter	Primary Parameter: L/C/R/Z Second Parameter: D/Q/θ/X /ESR
Basic Accuracy	0.1%
Equivalent Circuits	Serial, parallel
Tolerance Mode	Absolution, Percent
Range Mode	Auto, Hold
Trigger Mode	INT/MAN/EXT/DUT/BUS
Measurement Speed	Fast: 20, Med: 10, Slow: 3 (meas/sec)
Calibration function	Open/Short sweep correction
Measurement terminal	5-terminal
Display mode	Direct, ΔABS, Δ%
Display	Large character LCD with backlight
Measurement signal	
Signal frequency	50Hz, 60Hz, 100Hz, 120Hz, 1kHz, 10kHz, 20kHz, 40kHz, 50kHz, 100kHz
Output impedance	30Ω, 100Ω
Test level	0.1Vrms, 0.3Vrms, 1Vrms



U2817B

Measurement display range		
Z , R, X, ESR	0.0001Ω - 99.999MΩ	
C	0.01pF - 99999μF	
L	0.01μH - 99999H	
D	0.0001 - 9.9999	
Q	0.0001 - 999.9	
θ(Deg)	-179.9° - 179.9°	
θ(Rad)	-3.14159 - 3.14159	
Δ%	-999.99% - 999.99%	
Comparator and interface		
Comparator	NG, P1, P2, P3, AUX, 5 bins and alarm selectable	
Interface	RS232C, USB, Handler	
General Specifications		
Temperature & Humidity	0°C - 40°C, ≤90%RH	
Power Supply	Voltage	99V - 242V
	Frequency	47.5Hz - 63Hz
Power Consumption	≤20 VA	
Dimensions (W×H×D)	310mm×105mm×295mm	
Weight	Approx. 3.5kg	

Order Information

U2817B LCR Meter

Instrument Accesories

- U26001 4-terminal test fixture
- U26004 4-terminal Kelvin test cable
- U26010 gilded shorting plate

Options

- U26005 4-terminal test fixture
- U26006 Axial component test fixture(used with TH26005)
- U26008 SMD component test fixture
- U26009 SMD test tweezers
- U26011 4-terminal pair Kelvin test cable
- U10201 RS232C Control software

