



VE2816A / VE2816B 200 KHz DIGITAL LCR Meter WINDING COMPONENT METER

VE2816A / VE2816B is a new precision LCR meter combined with years of technical experience and newest measurement technology of instrument industry. With powerful measurement functions, high performance and low cost, VE2816A/VE2816B have been one of the world advanced instruments, and it provides users a super value measurement resolution and experience. The meter offers stable 6-digit resolution, wide frequency range (50Hz to 200kHz), programmable signal level (0.01V to 2.0V), measurement rate up to 30times/second, 9 measurement ranges, 30 Ohms or 100 Ohms constant output impedance and friendly operation interface. They can be used for incoming inspection of components, quality control of product line and high accuracy laboratory use. The HANDLER, GPIB, RS232C interfaces help build an automatic component test system, communicate with the computer and record the test results.



Measurement function

Basic accuracy: 0.1%
Equivalent circuit: Series, parallel
Mathematical function: Absolute value, % deviation
Ranging mode: Auto, Hold, Manual selection
Trigger mode: Internal, Manual, External, BUS
Measurement speed: Fast: 20, Med: 8, Slow: 2 (times/second) (≥ 1 kHz)
Average times: 1 - 99
Calibration function: Open/Short frequency point, full frequency correction
Measurement terminal: 4-terminal
Display mode: Direct
Display: 5-digit resolution, special LCD display with backlight

Measurement signal

Signal frequency:
TH2816A: 50Hz ~ 200kHz, Over 10,000 frequencies points
TH2816B: 50Hz ~ 200kHz, 37 frequencies Points
Output impedance: 30 Ohms, 100 Ohms
Test level: Programmable single-voltage level from 10mVrms to 2.0Vrms

Measurement display range

|Z|, R, X 0.0001Micro - 99.999MOhms
C 0.00001 pF to 999.999 mF
L 0.01 nH to 9999.99 H
D 0.00001 to 9.99999
Q 0.01 to 99999.9
Angle (DEG) -179.99° - 179.99°
Angle (RAD) -3.1416 - 3.1416
Tan-Delta% -99.999% - 99.999%

General Specifications

Operating temperature & humidity 0°C - 50°C, 80%RH
Power supply :198V - 242V, 47.5Hz - 63Hz
Power consumption: 30VA
Dimensions (W×H×D) 270mm×130mm×34mm
Weight Approx. 3.8 kg

Features

- 240×64 dot-matrix graphics LCD display
- Humanization interface and easy operation
- VE2816A: 50Hz ~ 200kHz, Over 10,000 frequencies
- VE2816B: 50Hz ~ 200kHz, 37 frequencies total
- Programmable single-voltage level from 10mVrms to 2.0Vrms
- Higher stability and accuracy
- 6-digit readout resolution
- Measurement rate up to 32ms/meas
- Precision LOAD correction function
- Selectable source output impedances: 30 Ohm, 100 Ohm
- List sweep function for up to 4 frequencies
- Direct, "ABS and "% display modes
- 12 control setting files memory
- Built-in comparator, 10 Bins and bin counters (TH2816A/B)
- Test signal level monitor function
- Key lock function
- Handler interface , RS-232C and optional GPIB interfaces

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