



**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) (>=1kHz)  
**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, £90%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

**VASAVI ELECTRONICS**

# 95, JYOTHI COLONY (NEAR AOC CENTRE), P.O.TRIMULGHERRY  
 SECUNDERABAD-500015 (HYDERABAD,INDIA)

WEB:www.vasavi.com  
 PHONE: 91-40-27744445  
 E-MAIL: vasavi@vasavi.com