

Component Parameter Test Instruments

A. TH2816A/TH2816B/TH2817A Precision LCR Meter

Display Mode	Direct, Δ ABS, $\Delta\%$, V/I(V/I monitor), Bin number and bin counter	
Display	240×64 dot-matrix LCD display, 6-digit resolution	
Test signal		
Signal frequency	TH2816A	50Hz to 200kHz , over 12,000 points
	TH2816B	50Hz to 200kHz , total 37 points
		50Hz, 60Hz, 80Hz, 100Hz, 120Hz, 150Hz, 200Hz, 250Hz, 300Hz, 400Hz, 500Hz, 600Hz, 800Hz, 1kHz, 1.2kHz, 1.5kHz, 2kHz, 2.5kHz, 3kHz, 4kHz, 5kHz, 6kHz, 8kHz, 10kHz, 12kHz, 15kHz, 20kHz, 25kHz, 30kHz, 40kHz, 50kHz, 60kHz, 80kHz, 100kHz, 120kHz, 150kHz, 200kHz
TH2817A	from 50Hz to 100kHz: 50Hz, 60Hz, 100Hz, 120Hz, 200Hz, 400Hz, 500Hz, 1kHz, 2kHz, 4kHz, 5kHz, 10kHz, 20kHz, 40kHz, 50kHz, 100kHz , 16 points	
Output impedance	30 Ω , 100 Ω	
Test level	10mVrms to 2.0Vrms, 10mV steps	

Measurement display range	
Z , R,X	0.00001 Ω — 99.9999M Ω
C	0.00001pF — 999.999mF
L	0.00001 μ H — 9.99999kH
G,B	0.00001 μ S — 999.999S
D	0.00001 — 9.99999
Q	0.00001 — 99999.9
θ (DEG)	-179.999° — 179.999°

θ (RAD)	-3.14159 — 3.14159	
$\Delta\%$	-999.999% — 999.999%	
Comparator, memory & interface		
Comparator Function	TH2816A TH2816B	10 Bins(BIN1 to BIN9 , OUT of bins), and additional AUX bin
	TH2817A	4 bins(BIN1 to BIN3, OUT of bins), and additional AUX bin
Memory	12 control settings memory for store/recall	
Interface	RS-232C, HANDLER, GPIB (Optional)	

Ordering Information

TH2816A Precision LCR Meter
 TH2816B LCR Meter
 TH2817A Precision LCR Meter

Instrument Accessories

TH26005A 4 terminal test fixture
 TH26011A 4 terminal Kelvin test clip leads
 TH26010 Gilded shorting plate

Options

TH26047 4 terminal test fixture
 TH26048 4 terminal test fixture
 TH26006 Axial component test fixture
 TH26007A Core inductor test fixture
 TH26008A SMD component test fixture
 TH26009B SMD Kelvin test tweezers
 TH26033 GPIB interface cable
 TH26034 RS232C interface cable
 TH10001 GPIB interface board
 TH12003 RS232C control software(TH2816A)
 TH12004 RS232C control software(TH2817A)