

ONS2835/ONS2836/ONS2836A/ONS2836B LCR Meter



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

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Brief Introduction

ONS2835/36 series precision LCR Meter is a multifunctional device tester used for testing various electronic components. It adopts the most popular 4.3-inch LCD display, which enables users to read test results more visually and comfortably. It is a kind of impedance measuring instrument with high speed, wide testing range and 6 bit testing resolution, which can meet the requirements of production line

quality assurance, incoming inspection and laboratory measurement.

Overview

- Four-parameter display, any parameter combination
- 0.05% test precision, 6-bit test resolution
- 4.3 inch color screen display
- 30 Ω , 50 Ω , 100 Ω , three different signal source output impedance
- 10 point list scan function
- Internal 100 sets of setup files, U disk 500 sets of test files saved or invoked
- Internal DC bias voltage of 0V, 1.5V and 2V
- The device software version can be upgraded and updated through USB HOST
- U disk copy screen function can save data more convenient, can support format FAT16, FAT32 file system
- Standard RS232C, HANDLER, USB DEVICE, USB HOST, GPIB interface is optional

Technical Specification

Model Number	ONS2835	ONS2836	ONS2836A	ONS2836B
Test Parameter	Z , Y , C, L, X, B, R, G, D, Q, θ , DCR			
Test Frequency	20HZ-30KHZ	20HZ-100KHZ	20HZ-200KHZ	20HZ-200KHZ
	ONS2835/36/36B any frequency is adjustable, 1HZ as step ONS2836A 20HZ-200KHZ, 38 frequencies			

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ONS2835/ONS2836/ONS2836A/ONS2836B LCR Meter

Basic Measurement Accuracy	0.05%
Equivalent Circuit	Series / parallel
Math Function	Absolute deviation, percentage deviation
Range Method	Automatic, hold, manual selection
Trigger Mode	Internal, manual, external, bus
Measurement Speed ($\geq 1\text{KHZ}$)	Fast speed:75 times/sec, medium speed:12 times/sec, low speed:3 times/sec
Average Time	1-255
Delay Time	0-60s, 1ms as step
Correction Function	Open circuit/ short circuit/ load
Test Side Configuration	Five ends
List Scan	10 point list scan function
Display Mode	Direct reading, Δ , $\Delta\%$, V/I (Measured voltage/current monitoring)
Display	6-bit resolution, 4.3 inch LCD display
Test Signal	
Output Resistance	30 Ω , 50 Ω , 100 Ω optional
Test Signal Level	Normal:5mV-2V, accuracy:10%, 1mV step Constant Level:10mV-1V, accuracy:5%, 1mV step
DC Bias Source(internal)	0V, 1.5V and 2V, accuracy:1%
Measurement Range	
Z , R, X	0.01m Ω -99.9999M Ω
DCR	0.001m Ω -99.9999M Ω
Y ,G,B	0.00001 μS -99.9999S
C	0.00001pF-9.9999F
L	0.00001 μH -9999.99H
D	0.00001-9.9999
Q	0.00001-9999.9
Θ (DEG)	-179.999 $^\circ$ -179.999 $^\circ$
Θ (RAD)	-3.14159-3.14159
Others	
Comparator Function	Ten files(nine files qualified, a file unqualified) , and another subsidiary file AUX
Memory	100 groups of internal setting files for storage/recall, U disk infinite extension
Interface	Standard RS232C, HANDLER, USB HOST, USB DEVICE, GPIB interface optional

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Accessories

Standard Accessories

ONS26011 Four ends Kelvin test cable

Optional Accessories

ONS26009B SMD test clamp

ONS10201 data collection software

ONS26010 Gold-plate short circuit board

ONS26001A Four ends test fixture

ONS26008A SMD fixture

ONS26029B Fixture SMD test



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