

ONS2656/ONS2656B Capacitance tester



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

ONSys Technologies



Overview

- 4.3 inch LCD display, more intuitive
- 50 Hz—100 kHz, 10 frequencies
- Different kinds of signal sources output impedance such as 30 Ω100 Ω
- Built-in comparator, four files sorting and file count function
- 100 groups of internal setting files, U disk expand multiple groups of test files to save or call.
- Software version of the instrument can be upgraded and updated by USB HOST.

- It is more convenient to save data with U disk copy screen function. the file systems with format FAT16, FAT32 are supported.
- Standard RS232C, HANDLER, USB HOST, optional GPIB

Introduction

ONS2656/56B is a multi- functional component tester for testing all kinds of electronic components. The most popular 4.3inch LCD display is used, it is more intuitive and more comfortable for users to read test results. It is an impedance tester with high speed, wide measurement range and five bits' testing resolution, which can meet the requirements of production line quality assurance, purchase inspection and laboratory measurement.

General Specifications

Operating temperature & humidity		0°C - 40°C, ≤90%RH
Input Power	Voltage	100 ~ 120 Vac OR 198 ~ 242 Vac
	Frequency	47.5Hz - 63Hz
Power loss		≤ 30VA
Weight		About 2.5kg

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ONS2656/ONS2656B Capacitance tester

Technical Specifications

Measurement function	
LCR Test parameter	Z , C, X, R, D, Q, θ
Test frequency	50、60、100、120、1K、10K、40K、50K、60K、100K , 10 frequencies
Basic measurement accuracy	0.05%(ONS2656) 0.1% (ONS2656B)
Equivalent circuit	Series, parallel
Math function	Absolute deviation, percentage deviation
Range method	Automatic, hold, manual selection
Trigger mode	Internal, manual, external, bus
Measurement speed (≥ 1 kHz)	Fast speed: 30 times/Sec at most, medium speed: 11 times/Sec, slow speed: 3 times/Sec
Average times	1—255
Delay time	0—60s, step 1ms
Correction function	Open circuit / short circuit / load
Test end configuration	Five ends
Display mode	Direct reading, Δ , $\Delta\%$, V/I (Measured voltage / current monitor)
Display	5 bits resolution, 4.3 inch LCD display
Test signal	
Test signal frequency	50 Hz - 100 kHz
Output impedance	Optional 30 Ω 、100 Ω
Test signal level	Normal :0.1V,0.3V,1V, accuracy: 10%
Display range	
Z , R, X	0.01m Ω — 99.999 M Ω
Y , G, B	0.0001 μ S — 99.999 S
C	0.0001 pF — 9.9999 F
L	0.0001 μ H — 999.99 H
D	0.0001 — 9.9999
Q	0.0001 — 99999
θ (DEG)	-179.99° — 179.99 °
θ (RAD)	-3.14159 — 3.14159
Others	
Comparator function	Four-files sorting function
Memory	100 groups of internal setting files for storage / call, external 500 groups
Interface	Standard RS232C, USB HOST, optional GPIB, HANDLER

Ordering Information:

ONS 2656/ONS 2656B Precision Capacitance tester

Standard Accessories:

ONS26001A	Four-end test fixture
ONS26004-1	Four ends Kelvin test cable
ONS26010A	Gold-plated short film

Optional Accessories:

ONS26009B	SMD Test pliers
ONS26008A	SMD Test box
ONS10201	Data acquisition software

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