

ONS2752 Inductance tester



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

ONSys Technologies



Overview

■ The data can be completely compared to foreign counter-parts products based on using the latest technology platform.

- True color 4.3 inch TFT display, resolution: 480×272 RGB
- Basic measurement accuracy is 0.1%, the maximum test speed can reach 30 times/Sec.
- Two different signal sources output impedance that is 30 Ω and 100 Ω
- Built-in comparator, 5 file sorting flexible qualified and bad alarm mode
- Save the test conditions automatically after shutdown, it is more humane
- More than 100 groups of internal settings file, U disk expand multiple groups of test files to save or call.
- Simplified Chinese, English optional
- The optional upper and lower edge triggering modes in the instrument
- Software version of the instrument can be updated and upgraded by USB HOST
- It is more convenient for data to be saved with U disk copy screen function; file systems with the format FAT16, FAT32 are supported
- Standard RS232C, HANDLER, USB HOST, USB CDC, USB TMC, headphone interface, optional GPIB

Brief Introduction

ONS2652 is low-end components' tester with high performance and low cost based on the latest technology platform, which uses the most popular true color 4.3-inch TFT display. It is more intuitive and more comfortable for users to read the test results. Powerful functions and simple operation, 10KHZ measurement frequency and 0.1% accuracy can meet the requirements of production line quality assurance, purchase inspection and laboratory measurement.

General Specifications

Operating temperature & humidity		0°C - 40°C, ≤85%RH
Power requirements	voltage	100 ~ 120 Vac or 198 ~ 242 Vac
	frequency	47.5Hz - 63Hz
Power loss		≤ 30VA
Volume (W×H×D)		240mm×100mm×325mm
Weight		About 2kg

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Technical Specifications

Model no.	ONS2752	
Measurement parameter	L, R, Z , Q, X	
Measurement frequency	100Hz, 120Hz, 1kHz, 10kHz	
Basic measurement accuracy	0.1%	
Test signal level	0.1V, 0.3V, 1V	
Equivalent circuit	Series, Parallel	
Math function	Percentage deviation	
Range method	Automatic, hold, manual selection	
Trigger method	Internal, manual, external, bus	
Measurement Speed ($\geq 1\text{kHz}$)	Fast speed: the fastest 30 times/sec, medium speed: 10 times/Sec, slow speed: 3 times/Sec	
Delay time	0- 60s, 1ms step	
Calibration function	Open circuit / short circuit/ load	
Test end configuration	Five ends	
Display method	Direct reading, $\Delta\%$, V/I (Measured voltage / current monitoring)	
Display	Main and secondary parameter display 5 bits, 4.3 inch true color LCD display	
Output resistance	Optional 30 Ω & 100 Ω	
Display range		
 Z , R, X	0.1m Ω — 99.999M Ω	
L	0.01 μH — 99999 H	
Q	0.0001 — 9999.9	
$\Delta\%$	-999.99% — 999.99%	
Others		
Comparator function	5files sorting function	
Memory	More than 100 groups of internal setting files for storage/call, more than 500 groups of test files are expanded by U disk	
Interface	Standard RS232C, HANDLER, USB HOST, USBCDC, USBTMC, headphone interface, optional GPIB	

Ordering Information

ONS2752 Precision Inductance tester

Instrument 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