

ONS2869XB/ONS2867XB/ONS2866XB/ONS2878XB 20/24PIN Transformer Tester



ONSsys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

ONSsys Technologies



Overview

- 7 inch 16: 9 TFT LCD display, resolution: 800×480 RGB
- All the test results are shown in one page without turning to other pages
- It is more convenient for U disk to directly save the test results,
- Maximum test frequency is 1MHZ , resolution is 10 mHz.
- Basic measurement accuracy is 0.05% , the ultra-fast test mode is increased (150 times / Sec)
- Automatic level control ALC

function for testing voltage or current

- 30 Ω, 100 Ω, 10 /100, 10 /CC, four different signal sources' output impedance.
- Built-in comparator, 10 files sorting and file counting function
- Internal 100 setting files are used to save or call, testing files of U disk are unlimitedly expanded to save or call.
- Optional ±10V (±100mA) and 1 A internal DC bias source.
- Software version of the instrument can be upgraded and updated by USB HOST.
- U disk supports the file systems with FAT16, FAT32 format.
- Standard RS232C、HANDLER、USB HOST, optional GPIB、LAN interface.

Brief Introduction

The most popular 7-inch 800x480 color TFT LCD display is used, it is more intuitive and more comfortable for users to read test results. It is a transformer test system with high speed, high precision and high performance, which can meet the requirements of production line quality assurance, purchase inspection and laboratory measurement.

PIN	Lx(H)	Q	ACR(Ω)	TR_v(T)	Zx(Ω)	DcR(Ω)	Cp(F)	Lk(H)	P/B
02-20	1.3712m		40.000		592.12m			1.2858m	+
14-18	1.3719m		39.958		580.35m			1.2863m	+
26-16	1.3706m		39.919		592.68m			1.2860m	+
38-14	1.3656m		39.900		620.49m			1.2848m	+
410-12	1.3706m		39.		663.93m			1.2878m	+
5-									
6-									
7-									
8-									
9-									
Balance									
Pin Shit	2-4	4-6	6-8	8-10	12-14	14-16	16-18	18-20	

按<左/>键切换到统计页面!

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General Specifications

Operating temperature & humidity		0°C - 40°C, ≤90%RH
Power requirements	voltage	99V-121V 198V - 242V
	frequency	47.5Hz - 63Hz
Power loss		≤ 80VA
Volume (W×H×D)		398mm×129mm×370mm
Weight		about 9kg

Technical Specifications

Measurement function	
Test frequency	ONS2869XB 20 Hz - 200 kHz, 10mHZ resolution ONS2867XB 20 HZ - 300 kHz, 10mHZ resolution ONS2866XB 20 HZ - 500 kHz, 10mHZ resolution ONS2878XB 20 HZ - 1M HZ, 10mHZ resolution
Transformer test parameter	Laps ratio, lap, phase, inductance, capacitance, leakage inductance, quality factor, AC resistance, DC resistance, balance, pin short circuit; LED test
Basic measurement accuracy	
LCRZ	0.05%
DCR、Laps ratio	0.1%
Equivalent circuit	Series, parallel
Math function	Absolute deviation, percentage deviation
Range method	Automatic, hold, manual selection
Trigger mode	Internal, manual, external, bus
Measurement speed (≥1kHz)	Ultra-fast speed :150 times/Sec, Fast speed: 90 times/Sec, medium speed: 12 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, Δ%, V/I (Measured voltage / current monitor)
Test signal	
Output impedance	30 Ω, 100 Ω, 10 /100, 10 /CC

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Test signal level		normal: 5 mV - 2 V accuracy: 10%, 1 mV step constant level: 10 mV - 1 V accuracy: 5%, 1 mV step
DC bias source	internal	0V, 1.5V, 2V, accuracy: 1%
	optional	UC6802A: ±10V (±100mA) DC bias current UC6802B: 0-1A DC bias current source
Display range		
 Z , R, X		0.01m Ω — 99.9999 MΩ
DCR		0.01 mΩ — 99.9999 MΩ
Laps ratio display range		1:0.001-1000:1
 Y , G, B		0.00001μS — 99.9999 S
C		0.00001 pF — 9.9999 F
L		0.00001 μH — 9999.99 H
D		0.00001 — 9.9999
Q		0.00001 — 9999.9
θ (DEG)		-179.999° — 179.999 °
θ (RAD)		-3.14159 — 3.14159
Others		
Memory		Internal 100 groups storage, unlimited expansion for U disk
Interface		Standard RS232C, HANDLER, USB HOST, Optional GPIB, LAN interface

Instrument Accessories

ONS6801X	Scanning test box
ONS26004-1	Four ends Kelvin test cable
ONS26004B	Two ends test cable
ONS6801 - 01	Pedal start switch
ONS26016	Scanning line