

ONS9900 Series AC and DC Insulation Withstand Voltage Tester



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions



ONSys Technologies

Overview

- ONS9901 Single channel high voltage tester.
- ONS9904 4-channel high-voltage scanning tester.
- ONS9908 8-channel high-voltage scanning tester.
- Test function AC/DC/IR

- Display: large LCD display, display resolution is 240×64
- AC voltage output: 50V - 5kV, AC current: 30mA
DC voltage output: 50V - 6KV, DC current: 10mA
- Wide insulation resistance measurement range: 1MΩ - 50GΩ
- Ground connection test GC (optional function)
- Current upper and lower limits setting of programmable leakage current
- IR, DC test discharge function rapidly
- Store data with 99steps
- Good electric shock protection function: When the ground leakage current is greater than 0.5mA, earth fault protection function is triggered rapidly, effective protection of external leakage to avoid accidents

Introduction

ONS9900 series withstand voltage tester is mainly used to detect the safety performance of instruments, equipment and components This AC and DC voltage insulation testers are high performance tester with a new technology. The unique current protection function and high precision output voltage can make the instrument safe. At the same time, more accurate and faster testing can be provided. Maximum 8-channel withstand voltage output, can meet the full range of customer requirements

General Specification

Operating temperature & humidity		0°C - 40°C, ≤90%RH
Power requirements	voltage	100 ~ 120Vac 198 ~ 242Vac
	frequency	47.5Hz - 63Hz
Power loss		≤ 150VA
Volume (W×H×D)		330mm×110mm×420mm
Weight		About 20 kg

Accessories:

- ONS90001R high voltage test line (each channel with a line)
- ONS90001B a ground line power cable

ONSys Technologies OPC Pvt. Ltd.

Web: <http://www.onsysotech.com> | Email: sales@onsysotech.com, onsysotech@gmail.com

Ph. No.:+91-9372898215

ONS9900 Series AC and DC Insulation Withstand Voltage Tester

Specification

Model No.		ONS9901	ONS9904	ONS9908
Function		ACV/DCV/IR	ACV/DCV/IR/ Scan	ACV/DCV/IR/Scan
Output Channel		Single channel	Four channel	Eight channel
Output Voltage				
AC	Output	0.05V to 5000V		
	Measurement accuracy	1% \pm 5V		
	Display accuracy	2V		
	frequency	50/60Hz		
	power	Max. 150VA		
DC	Output	0.05V to 6000V		
	Measurement accuracy	1% \pm 5V		
	Display accuracy	2V		
	frequency	50/60Hz		
	power	Max. 60VA		
IR	Output	DC 0.05V to 1000V		
	Measurement accuracy	1% \pm 5V		
	Display accuracy	2V		
Current output				
AC	Output	0-30mA		
	Measurement accuracy	1% \pm 5counts (5% \pm 20 counts for real current		
	Display accuracy	1 μ A		
	frequency	50/60Hz		
DC	Output	10mA, display accuracy: 0.1 μ A		
	Measurement accuracy	1% \pm 5counts (5% \pm 20 counts for real current)		
	Display accuracy	0.1 μ A		
Insulation Resistance				
IR	Output	DC range: 0.05 - 1kV, voltage accuracy: 1.5% \pm 5V		
	Measurement accuracy	1M Ω -50G Ω	1M Ω -10G Ω	
	Display accuracy	0.1M Ω		
	Measurement accuracy	\geq 500V: 1M Ω -1G Ω : \pm 5% \pm 10 counts, 1G Ω -10G Ω : \pm 10% \pm 10 counts, 10G Ω -50G Ω : \pm 15% \pm 10 counts; \leq 500V: 0.1M Ω -1G Ω : \pm 10% \pm 10 counts		
Arc Test				
Setting Method		Programmable		
The range of cutting off current		AC:1mA-15mA, DC:1mA-10mA		
Detection time		10 μ s approx		
Protection Function				
Fast cut off time		0.4ms after NG happen		
Fast Discharge time		0.2sec		
Ground failure starting current (GFI)		0.5mA \pm 0.25mA AC, Close		
Judgment of bad product				
Judgment display		Good product: short tone, display green light bad product: long tone, display red light		
Data Retention		The last et of test data		
Storage		99 steps or 99groups, the sum does not exceed 500 steps		