



ONSys Technologies



## Overview

- 4.3 inch TFT LCD display, with 480×272 RGB resolution
- It is more convenient for U disk to save the test results directly
- Maximum resistance accuracy is 0.05%
- Built-in comparator; HI, LO, IN can be sorted

- More than 100 groups of internal setting files for storage or call, U disk can expand more than 500 groups of test files to save or call
- The software version of the instrument can be upgraded and updated via USB HOST
- U disk can support file systems with format FAT16, FAT32
- Standard HANDLER, USB HOST, USBCDC, and USBTMC; Optional RS232C, GPIB interface

## Brief introduction

- ONS2517 can be used to test coil, inductor, transformer, voice coil, relay contact resistance, connector resistance, fuse, cable resistance, PCB resistance, welding resistance, conductive film, metal and so on. ONS2517 is a kind of low resistance tester with high speed, high precision and high performance, which can meet the requirements of production line quality assurance, purchase inspection and laboratory measurement, it can be also used for automatic equipment test.

## General Specifications

<b>Operating temperature, humidity</b>		0°C - 40°C, ≤85%RH
<b>Power requirements</b>	<b>Voltage</b>	198V - 242V
	<b>frequency</b>	47.5Hz - 63Hz
<b>Power loss</b>		≤ 30VA
<b>Volume (W×H×D)</b>		240mm×100mm×345mm
<b>Weight</b>		About 2kg

# ONS2517/ONS2517A/ONS2517B DC Low Resistance Tester

## Technical Specifications

Measurement accuracy and function	
Basic accuracy	0.05%+2 words, ONS2517B basic accuracy is 0.1% (2MΩ range is 0.2%)
Measuring speed	Power frequency: 50Hz, fast speed: 22ms, medium speed: 42 ms, slow speed: 102 ms Power frequency :60Hz, fast speed: 18.5ms, medium speed: 35 ms, slow speed: 102 ms The above shows the speed when the display is off , when the display is on, the display time is 10 ms.
Statistical functions	Provide CpK, Cp and other statistics
Range method	Automatic, hold, manual selection
Trigger method	Internal, external
Average times	1—255
Delay time	0—9999ms, step :1ms
Calibration function	Short circuit, zero, load correction
Test end configuration	Four ends
Display method	Direct reading, Δ%
Range & measuring current	
ONS2517 (1μΩ ~ 2MΩ)	20mΩ (1A) : 1μΩ ~ 20mΩ 200 mΩ (100mA) : 20mΩ ~ 200 mΩ 2Ω (100mA) : 200mΩ ~ 2Ω 20Ω (10mA) : 2Ω ~ 20Ω 200Ω (1mA) : 20Ω ~ 200Ω 2kΩ (100μA) : 200Ω ~ 2kΩ 20kΩ (100μA) : 2kΩ ~ 20kΩ 200kΩ (10μA) : 20kΩ ~ 200kΩ 2MΩ (1μA) : 200kΩ ~ 2MΩ
ONS2517A (10μΩ ~ 200kΩ)	200 mΩ (100mA) : 10μΩ ~ 200 mΩ 2Ω (100mA) : 200mΩ ~ 2Ω 20Ω (10mA) : 2Ω ~ 20Ω 200Ω (1mA) : 20Ω ~ 200Ω 2kΩ (100μA) : 200Ω ~ 2kΩ 20kΩ (100μA) : 2kΩ ~ 20kΩ 200kΩ (10μA) : 20kΩ ~ 200kΩ
ONS2517B (1μΩ ~ 20kΩ)	20mΩ (1A) : 1μΩ ~ 20mΩ 200 mΩ (100mA) : 20mΩ ~ 200 mΩ 2Ω (100mA) : 200mΩ ~ 2Ω 20Ω (10mA) : 2Ω ~ 20Ω 200Ω (1mA) : 20Ω ~ 200Ω 2kΩ (100μA) : 200Ω ~ 2kΩ 20kΩ (100μA) : 2kΩ ~ 20kΩ
comparator	
Sorting	HI、LO、IN
Others	
Monitor	true color 24 bits TFT LCD, with 480×272 resolution
Memory	More than 100 groups of internal storage, more than 500 groups of storage in U disk
Interface	Standard HANDLER, USB HOST, USBCDC and USBTMC. Optional GPIB, RS232C interface

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## Ordering Information

ONS2517 DC Low Resistance Tester

## Instrument Accessories

ONS26004-1 Four ends Kelvin test cable

## Optional Accessories

ONS26001A Five-terminal test box

ONS26009B SMD patch test clip

ONS6801-01 Pedal start switch



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