

# UC6025-16 Channels DC Resistance Tester

## Performance Characteristics:

- 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
- Temperature compensation and temperature conversion function
- Temperature basic accuracy is 0.1°C
- Statistical functions, provide CpK, Cp and other statistics
- 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

■ UC6025-16 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. The temperature compensation function can eliminate the effect of temperature on the test, the temperature conversion function can effectively measure the temperature when the measured part is being measured. UC6025-16 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

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

## Ordering Information

UC6025-16 DC Resistance Tester

## Instrument Accessories

- UC9541 Temperature probe (Pt)
- UC26004A Test Clips

## Technical Specifications

Basic accuracy	0.05%+2 words (2MΩ range is 0.2%, 10 MΩ range is 0.3%)
Measuring speed	Power frequency: 50Hz, fast speed: 22ms, medium speed: 42 ms, slow speed: 102 ms, <b>fast speed: 2.7ms;</b> Power frequency :60Hz, fast speed: 18.5ms, medium speed: 35 ms, slow speed: 102 ms, <b>fast speed: 2.7ms;</b> 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%
<b>Range &amp; measuring current</b>	
UC6025-16 (1μΩ ~ 10MΩ)	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
	10MΩ (100nA) : 2MΩ ~ 10MΩ
<b>comparator</b>	
Sorting	HI, LO, IN
<b>Temperature measure</b>	
Basic accuracy	0. 1°C
Measure time	100±10ms
Temperature sensor	Pt, measurement range: -10.0°C ~ 99.9°C
	Analog input: 0 ~ 2V, Range-99.9°C ~ 999.9°C
Temperature compensation	Convert to the responding resistance value of the set temperature
Temperature conversion	Convert from the resistance value changes into temperature changes
<b>Others</b>	
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

Measurement accuracy and function