

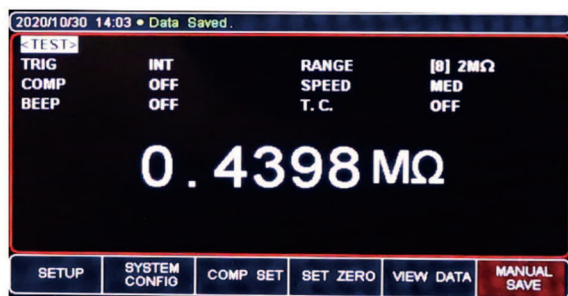
UT3510 Series

Micro Ohm Meters



The UT3510 Series Micro Ohm Meters contain 2 models: UT3513 and UT3516, which can be used in professional sorting function, and can judge HI/IN/LO for resistance. The result can be displayed on screen, indicated by buzzer and external I/O output. With enhanced PC remote-control instruction set and compatible with SCPI, the instrument can efficiently process remote-control and data collection function.

- Maximum reading: 22000
- Range mode: Auto/Manual
- Short-circuit full range zeroing calibration
- Sorting functions: 3 types of resistance and voltage input: exceeds upper limit/exceeds lower limit/within the range, 2 types of sorting result output: PASS/FAIL
- Comparing method: absolute tolerance, percentage tolerance, direct-reading comparison
- Button functions: Lock -- keyboard lock, OK -- screenshot
- Interfaces and protocol: handler interface, RS-232, USB Device and USB Host communication interface, SCPI and Modbus protocol



- Automatic, manual, nominal range switching test

No.	R (Ω)	UNIT	DATE-TIME	AUTO
001	456.44 k		2020-10-30 14:02:55	PAGE 1
002	444.46 k		2020-10-30 14:03:32	
→ 003	440.70 k		2020-10-30 14:03:40	
004	858.74 k		2020-05-14 16:28:54	
005	884.30 k		2020-05-14 16:28:55	
006	928.96 k		2020-05-14 16:28:57	
007	993.79 k		2020-05-14 16:28:58	
008	1035.5 k		2020-05-14 16:28:59	
009	1080.5 k		2020-05-14 16:29:01	
010	1096.7 k		2020-05-14 16:29:02	

- File management, saving and browsing data



- Three test speeds can be selected Rapid: 60 times/s

COMP	6-BIN	BEEP	NOMINAL
MODE	SEQ		0.0000 mΩ
BIN	LOWER	UPPER	
01	11.000 Ω	500.00 Ω	
02	0.0000 mΩ	0.0000 mΩ	
03	0.0000 mΩ	0.0000 mΩ	
04	0.0000 mΩ	0.0000 mΩ	
05	0.0000 mΩ	0.0000 mΩ	
06	0.0000 mΩ	0.0000 mΩ	

- Comparator function buzzer selection method

Technical Specifications	UT3513	UT3516
Resistance range	20mΩ/200mΩ/2Ω/20Ω/200Ω/2kΩ/20kΩ	20mΩ/200mΩ/2Ω/20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ
Resolution	1μΩ/10μΩ/100μΩ/1mΩ/10mΩ/100mΩ/1Ω/10Ω/100Ω	
Test current	1A/1A/100mA/10mA/1mA/1mA/100μA/10μA/1μA	
Testing terminal open-circuit voltage	<1V/<1V/<1V/<1V/<5V/<5V/<5V/<5V/<3V	
Measured parameter	DC resistance	
Basic accuracy	Slow: 0.1%,Medium: 0.2%	Slow: 0.05%,Medium: 0.1%,Rapid: 0.5%
Maximum reading	22000	
Range mode	Auto/manual/nominal	
Speed	Slow: 3 times/s,Medium: 18 times/s,Rapid: 60times/s(Only for UT3516)	
Calibration	Short-circuit full range zeroing	
Sorting function	3 types of resistance and voltage input: exceeds upper limit/exceeds lower limit/within the range, 2 types of sorting result output: PASS/FAIL	
Comparing method	Absolute tolerance,percentage tolerance,direct-reading comparison	
Trigger mode	Internal, external	
Test terminal	Four-terminal measurement	
Button functions	Lock -keyboard lock, OK -screenshot	
System setup	Language: Chinese/English, key tone setting	
Interfaces & protocols	Handler interface,RS-232,USB Device and USB Host communication interface, SCPI and Modbus protocol	
PC software	√	
Power	AC 100~240V, 50/60Hz	
Display	4.3 inches LCD	
Product net weight	3kg	
Product size (W×H×D)	214mm x 89mm x 340mm	
Standard quantity per carton	2pcs	
Standard carton size	420mm x 360mm x 405mm	
Standard carton gross weight	8.5kg	

Ordering Information	
UT3510 Series	UT3516: DC Resistance Tester (2MΩ, accuracy: 0.05%) UT3513: DC Resistance Tester (20kΩ, accuracy: 0.1%)
Standard Accessories	International standard power cord
	UT-L82: Kelvin test lead x1
	Temperature compensation line (only for UT3513)
	Factory calibration report x1
Optional Accessories	Temperature compensation line

Para mayor información puede consultar el manual de usuario dando clic en el siguiente enlace:

[http://unitrend.oss-cn-hongkong.aliyuncs.com/upload/file/20220408/UT3510%20Series%20Benchtop%20Micro%20Ohm%20Meters%20\(3513,3516\).pdf](http://unitrend.oss-cn-hongkong.aliyuncs.com/upload/file/20220408/UT3510%20Series%20Benchtop%20Micro%20Ohm%20Meters%20(3513,3516).pdf)