

# 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

2020/10/30 14:03 • Data Saved.		UNIT	AUTO
<TEST>		DATE-TIME	PAGE 1
TRIG	INT	R (Ω)	
COMP	OFF	001 456.44 k	2020-10-30 14:02:55
BEEP	OFF	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
DELETE	FIRST PAGE	LAST PAGE	PAGE UP
			PAGE DOWN
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- File management, saving and browsing data



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

2020/10/30 14:05					6BIN
<COMP SET>					→
COMP	6-BIN	BEEP	FAIL		
MODE	SEQ	NOMINAL	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			
OFF	PASS	FAIL			

- 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: 60 times/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)