



# UT3550

## New Product Series



UT3550

### Handheld Battery Tester Pre-Launch

# Product Concept

UT3550 is a hand-held battery tester with automatic real-time detection. It has the portability of handheld instruments and the superior performance of Bench instruments. It is a measuring instrument with high accuracy and high resolution. Equipped with USB type C interface for remote control and data acquisition and analysis. Support SCPI protocol. It is mainly used in the quality inspection of various batteries. UPS can be directly measured online with high accuracy.



- ✓ High-accuracy 0.5%/0.05%
- ✓ Remote control
- ✓ Dual screen LCD display
- ✓ On-line measurement

- ✓ UT3550 can measure the resistance range of  $0.001\text{ m}\Omega \sim 30.00\ \Omega$ , the measurement accuracy is 0.5%, the voltage range is  $0.0001\text{ V} \sim 100.000\text{ V}$ , and the measurement accuracy is 0.05%.
- ✓ The instrument is equipped with USB-type-c interface and data acquisition software. It can be used for remote control and data analysis. Support SCPI protocol to facilitate automated testing.
- ✓ The newly designed AC resistance test principle can be used for the internal resistance test of almost all batteries. Including the detection of lithium battery, lead-acid battery, button battery and other batteries.
- ✓ The latest design scheme can directly measure UPS online without losing accuracy and stability.
- ✓ 3.5-inch LCD main display, full-color presentation of more content. 0.96 inch auxiliary display screen provides convenience for outdoor detection.

# Product Glance

## UT3550



UNI-T UT3550  
Resistance:0.001mΩ~30.00Ω  
Accuracy: 0.5%±5dgt  
Voltage:0.0001~100.00V  
Accuracy: 0.05%±5dgt  
Display:3.5inch LCD &0.96inch LCD

## Main competitor



Anbai AT525  
Resistance:0.001mΩ~3.300Ω  
Accuracy: 0.5%±5dgt  
Voltage:0.0001V~60.000V  
Accuracy: 0.05%±5dgt  
Display:3.5inch LCD

## Secondary competitor



HIOKI BT3554  
Resistance:0.001mΩ~3.100Ω  
Accuracy: 0.8%±5dgt  
Voltage:0.0001V~60.00V  
Accuracy: 0.08%±6dgt  
Display: LCD

# UT3550 Panel



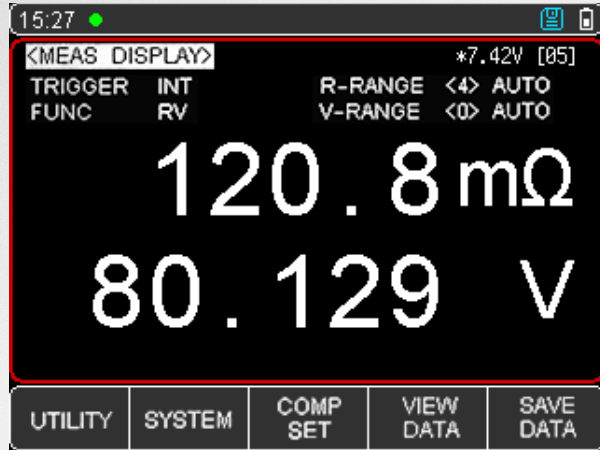
# Product Comparisons (VS UNI-T Self)

Model		UT3562	UT3563	UT3550
Measurement range	Resistance	0.0001mΩ~3.2kΩ	0.0001mΩ~3.2kΩ	0.001mΩ~30.00Ω
	Voltage	0.00001V~100.00V	0.00001V~400.00V	0.0001V~100.000V
Basic accuracy	Resistance	0.50%	0.50%	0.5%±5dgt
	Voltage	0.01%	0.01%	0.05%±5dgt
Resolution ratio	Resistance	0.1uΩ	0.1uΩ	0.001mΩ
	Voltage	10uV	10uV	0.1mV
Range mode	Resistance	Auto, manual	Auto, manual	Auto, manual
	Voltage	Auto, manual	Auto, manual	Auto, manual
Display		4.3inch LCD	4.3inch LCD	3.5 inch Full color LCD ; 0.96 inch OLED
Sorting function		Pass, fail	pass, fail	PASS/FAIL, OK/NG
Comparison mode		ABS, PER, SEQ	ABS, PER, SEQ	ABS, PER, SEQ
Trigger		Internal, manual, remote	Internal, manual, remote	Internal, manual, remote
Storage		Internal 500/external U disk	Internal 500/external U disk	Internal 500/external U disk
Interface		Handler,RS232,USB Device,USB HOST	Handler,RS232,USB Device,USB HOST	Type-C,USB,Charging interface
Protocol		Support SCPI	Support SCPI	Support SCPI
Battery		AC power supply	AC power supply	2000mAh lithium battery
Size&weight	Size	340mm×214mm×89mm	420mm×360mm×405mm	114.5mm×251.9mm×85.3mm
	Weight	2.6kg	2.6kg	0.84kg

# Product Comparisons(VS Competitors)

Brand		UNI-T	Anbai	HIOKI
Model		UT3550	AT525	BT3554
Measurement range	Resistance	0.001mΩ~30.00Ω	0.001mΩ~3.300Ω	0.001mΩ~3.100Ω
	Voltage	0.0001V~100.000V	0.0001V ~ 60.000V	0.0001V~60.00V
Basic accuracy	Resistance	0.5%±5dgt	0.5%±5dgt	0.8%±5dgt
	Voltage	0.05%±5dgt	0.05%±5dgt	0.08%±6dgt
Resolution ratio	Resistance	0.001mΩ	0.001mΩ	0.001mΩ
	Voltage	0.1mV	0.1mV	1mV
Range mode	Resistance	Auto, manual	Auto, manual	Auto, manual
	Voltage	Auto, manual	Auto, manual	Auto, manual
Display		3.5inch Full color LCD ; 0.96inch OLED	3.5inch Full color LCD	LCD
Sorting function		PASS/FAIL OK/NG	OK/NG	PASS/FAIL WARNING
Comparison mode		ABS, PER, SEQ	ABS, PER, SEQ	ABS, SEQ, POL
Trigger		Internal, manual, remote	Internal, manual, remote	Internal
Storage		Internal 500/external U disk	Internal 500/external U disk	Internal 400/external U disk
Interface		Type-C, USB, Charging interface	Mini-USB, USB, Charging interface	USB, Bluetooth
Protocol		Support SCPI	Support SCPI	Not support
Battery		2000mAh lithium battery	2200mAh lithium battery	8 alkaline batteries
International Protection		IP65	-	-
Size&weight	Size	114.5mm×251.9mm×85.3mm	130.23mm×210.76mm×37.88mm	199mm×132mm×60.6mm
	Weight	0.84kg	0.65kg	0.96kg

# Product Feature

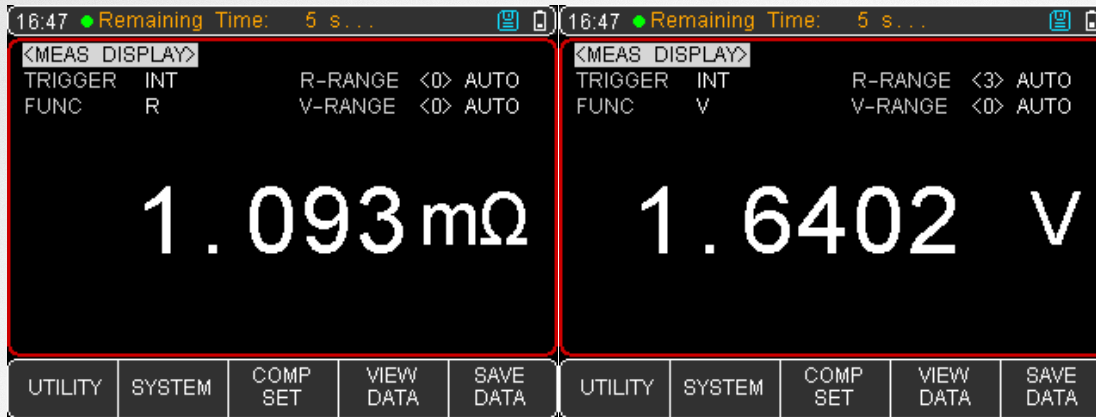


- 3.5inch HD LCD, full-color display more content. 0.96 inch auxiliary screen provides convenience for outdoor operation.

- Support online testing, fixed and mobile scenario testing.



# Product Feature

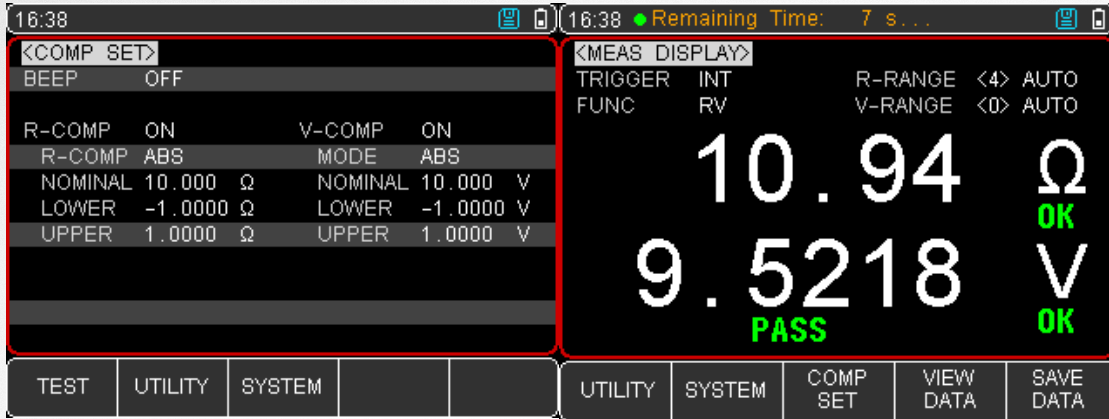


- Resistance measurement range:  
0.001mΩ~30.00Ω ;
- Voltage measurement range:  
0.0001V ~ 100.000V

- Support remote control, PC can set, view and analyze data

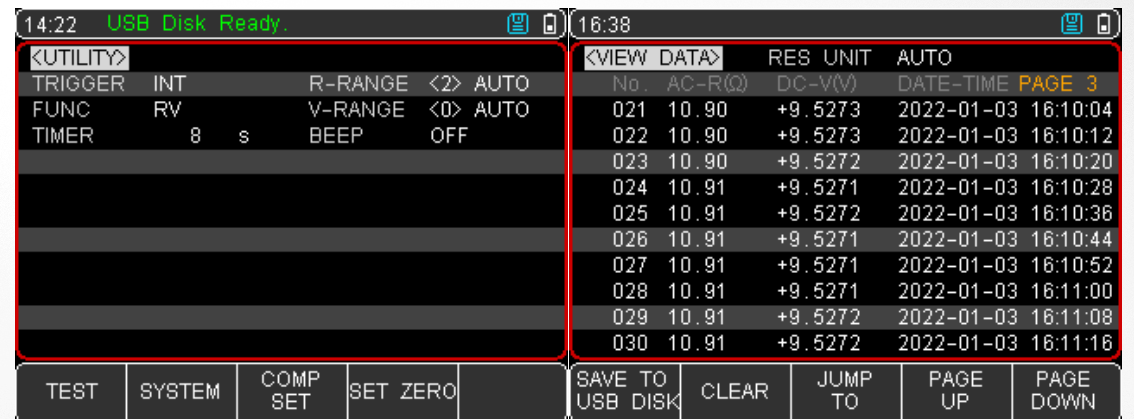


# Product Feature



- Three comparison modes: direct reading value, percentage and absolute value. Help you with quick battery screening.

- Set the interval time to automatically record the measurement data. Up to 500 sets of data can be saved. Exportable CSV format documents to USB flash disk to facilitate data analysis.



# Selling Points

Feature	Advantage	Benefit	Selling Point
3.5inch & 0.96inch LCD display	Full color display, clear and specific; Secondary screen display, more flexible	The main screen is clear and specific, and the auxiliary screen is suitable for outdoor operation	Double screen cooperation, more convenient application
Multi scenario online test	It can be tested online during battery operation	Adapt to fixed and mobile scenarios, and the application is more flexible	It can be hung, back wear and fixed. It is suitable for many occasions
Wide range measurement	Wide measuring range of internal resistance and voltage and high precision	Wider range of testable batteries	One instrument measures more batteries
Remote control	Equipped with type-C interface for remote operation	It is convenient to control and collect data on PC	More time-saving control and more specific data analysis
Filtering mode	Three screening methods of SEQ, ABS and PER are provided	Comparison mode helps you quickly filter batteries	It can be flexibly configured according to specifications, and the screening results are specific
Data recording and storage	It can automatically record data and store 500 groups of data internally	Save multiple groups of data for analysis, USB flash disk can be exported CSV document	A large amount of data can be moved to the computer for unified analysis

# Order Information

Model	Product Series	Description	Product Size	Product Net Weight	Standard Quantity per Carton
UT3550	UT3550	Resistance:0.001mΩ~30.00Ω Accuracy: 0.5%±5dgt Voltage:0.0001~100.00V Accuracy: 0.05%±5dgt Display:3.5inch LCD &0.96inch LCD	114.5mm×251.9mm×85.3mm	0.84kg	2pcs



Standard Accessories	Quantity
Power adapter	1
Carry pouch (Soft)	1
Shoulder belt	1
USB communication cable-Type-C	1
Magnetic strap	1
UT3550 kelvin clips wire	1

- Due to the requirements of relevant policies, we have cancelled the user's operation manual materials in paper and CD. Please go to the instrument product page of the official website to download them at ["instruments.uni-trend.com"](http://instruments.uni-trend.com)
- Product registration: within three months after your customer purchases the machine, you can notify your customer to register your product serial number on the instrument page of the UNI-T official website. The customer will automatically obtain a 6-month extended warranty. Accordingly, we provide an additional six-month warranty for the official distribution partner.

# Standard Pricing



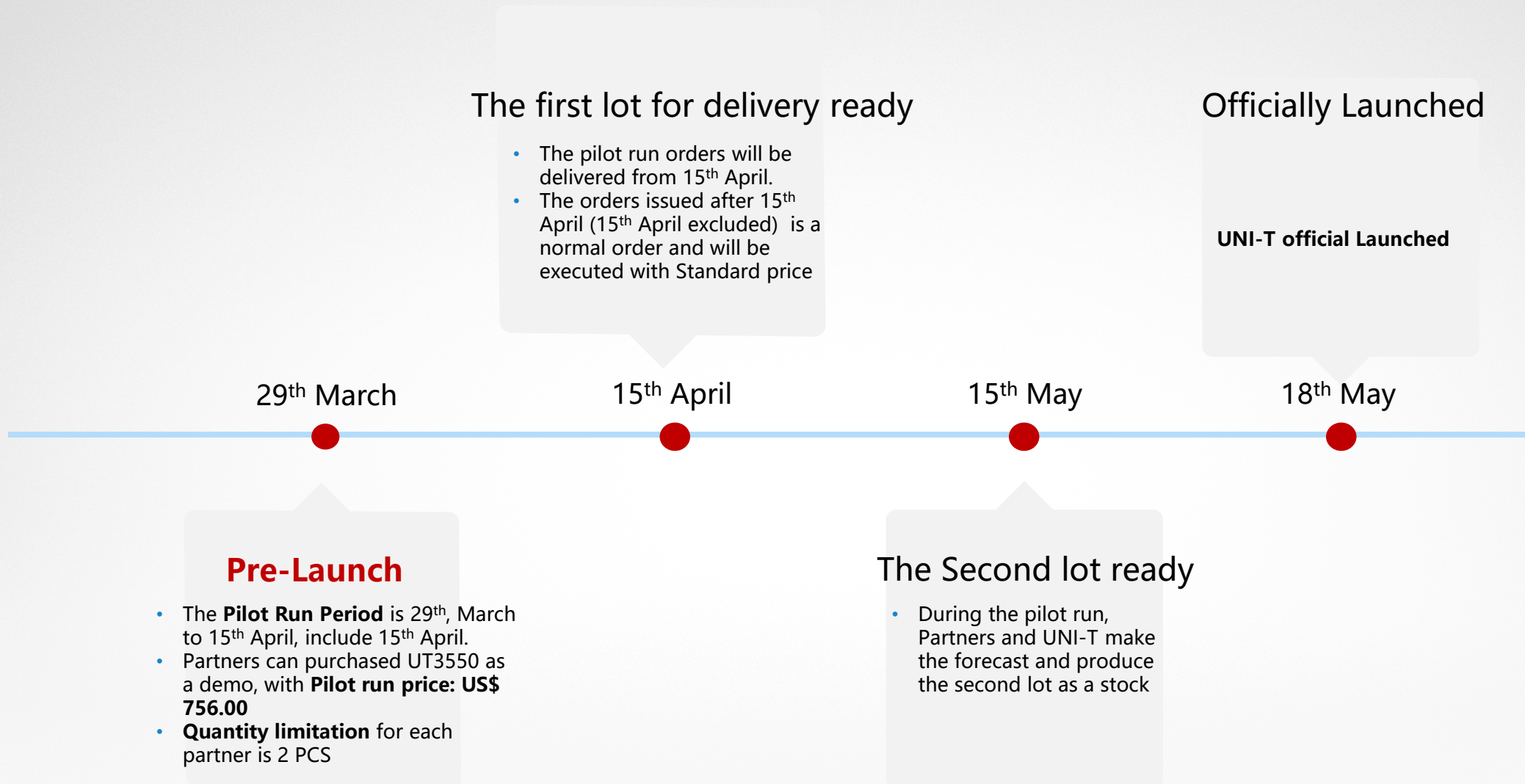
Model	Description	MSRP (USD)	Re-seller Price Discount	Re-seller Price (USD)	Factory Price Discount	Factory Price (USD)	Demo Unit Price Discount	Demo Unit Price (USD)
<b>UT3550</b>	30Ω 100V Dual screen handheld battery tester	<b>US\$1679.00</b>	80%	US\$1343.00	<b>60%</b>	<b>US\$1006.00</b>	50%	US\$840.00

# Pre-Launch Activities



Model	Description	MSRP (USD)	Factory price (USD)	Quantity Limited (Pcs)	Pre-Launch Restriction Price
UT3550	Pre-launch Demo Price	US\$1679.00	US\$1006.00	2	US\$756.00

# Product Launch time line





UNI-T®

Thank you

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