

Selection Guide

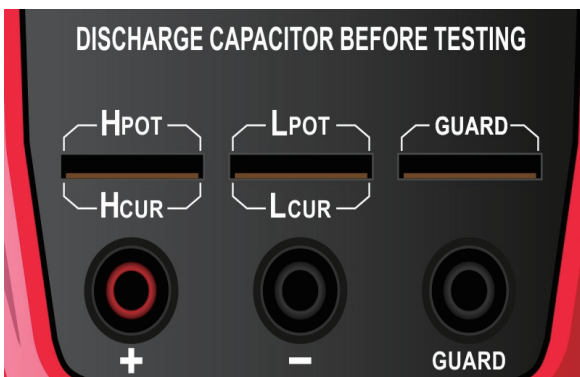
Series	Model	Highest Frequency	Basic Accuracy	Display Count	Measurement Rate	DCR	Display
UT622	UT622E	100kHz	0.10%	99999	20 times/s	yes	2.8 inch TFT LCD
	UT622C	100kHz	0.10%	99999	20 times/s	no	2.8 inch TFT LCD
	UT622A	10kHz	0.10%	99999	20 times/s	no	2.8 inch TFT LCD
UTR2810	UTR2811E	10kHz	0.10%	999999	20 times/s	no	2.8 inch TFT LCD
	UTR2810E	10kHz	0.10%	999999	20 times/s	no	2.8 inch TFT LCD

UT622 Series Handheld LCR Meters



The UT622 Series Handheld LCR meters feature powerful functions, high accuracy, fast speed, and long standby time. With a clear and intuitive 2.8 inch TFT LCD display, large-capacity rechargeable battery, and up to 100kHz test frequency, the meters can be used for longstanding accurate and convenient measurement in any occasion. They are suitable for the measurement and screening of inductance, capacitance, and resistance in laboratories, production lines, maintenance points etc.

- Up to 100kHz test frequency
- Up to 0.1% measurement accuracy
- High-brightness white backlight
- Max reading of primary parameters:99999 counts; D/Q resolution: 0.0001
- Ultra-low power consumption and long battery life(8 hours)
- Maximum test speed: 20 times/s(UT622E)
- Constant 100Ω output impedance
- Tolerance range: 1%~20%
- Open/short circuit clear function
- Data hold and recording mode
- Standard Mini-USB interface,SCPI command set



- 3-terminal and 5-terminal test ports



- L/C/R/Z main parameter component test



● Tolerance mode used for component sorting



● Recording mode used for statistics

Key Specifications	UT622A	UT622C	UT622E
Test frequency	100Hz, 120Hz, 1kHz, 10kHz	100Hz, 120Hz, 1kHz, 10kHz, 100kHz	100Hz, 120Hz, 1kHz, 10kHz, 100kHz
Test signal level	0.1Vrms, 0.3Vrms, 1Vrms		
Output impedance	100Ω		
Measurement parameters	Primary: L/C/R/Z Secondary: D/Q/θ/ESR		Primary: L/C/R/Z/DCR Secondary: D/Q/θ/ESR
Auto LCR	√		
Test terminals	Three-terminal test jacks, five-terminal test sockets		
Test rate	Fast (20 times/s), medium (5 times/s), or slow (2 times/s)		
DCR test rate	—	—	Fast (20 times/s), medium (5 times/s), or slow (2 times/s)
Ranging mode	Auto/hold		
Tolerance range	1%~20%		
Testing circuit mode	Series/parallel mode		
Clearing correction	Open/short circuit		
Communication interface	Mini-USB		
LED alarm for tolerance	pass: green; fail: red		
Display range			
Display count	99999		
Minimum resolution	0.0001		
Maximum accuracy	0.1%		
L	0.001μH-9999.9H		
C	0.001pF-99.999mF		
Z/R	0.0001Ω-99.999MΩ		
ESR	0.01mΩ-999.99Ω		
D	0.0001-9.9999		
Q	0.0001-99999		
θ	-179.9°~179.9°		
DCR	—	—	0.01mΩ-999.99kΩ
Power	3.7V 1800mAh lithium polymer battery		
Display	2.8 inch TFT LCD 320×240		
Product size (W×H×D)	90mm×190mm×44mm		
Product net weight	305g		
Standard quantity per carton	5pcs		
Standard carton size	335mm x 245mm x 245mm		
Standard carton gross weight	3.9kg		