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Component
Tester

LCR Meter 6630E



Key Feature

- Signal source frequency range: DC 10Hz ~ 10MHz
- Signal source grade: 10mV ~ 2V / 200μA ~ 20mA
- Basic accuracy up to ±0.08%
- ALC function
- Output resistance 25Ω/100Ω, switchable
- Ultra-high measuring speed < 3mS
- Open circuit/short circuit/load calibration function
- Up to four component parameters can be selected in the electric meter mode. The induction and DCR values can be measured and displayed simultaneously
- Auto component classification: Comparator function and Handler BIN classification function
- Rapid automation and data access function is realizable for USB, GPIB and RS232 interfaces. (LAN Reserved)
- PC connection data analysis software is available
- Ultra-low power consumption < 30W, without fans and zero noise

Measuring Range

IZI, R, X	0.000 mΩ to 9999.99 MΩ	Cs, Cp	± 0.00000 pF to 9999.99 F
R, X	± 0.000 mΩ to 9999.99 MΩ	Ls, Lp	± 0.00 nH to 9999.99 kH
IYI	0.00000 μS to 999.999 kS	D	± 0.00000 to 9999.99
G, B	± 0.00000 μS to 999.999 kS	Q	± 0.00 to 9999.99
θ _{RAD}	± 0.00000 to 3.14159	Δ	± 0.00% to 9999.99%
θ _{DEG}	± 0.000° to 180.000°	Rdc	0.00 mΩ to 99.9999 MΩ

Test Frequency	6630E-10	10Hz - 10MHz
	Minimum Resolution	100mHz, 6-bit Frequency Input
	Accuracy	7 ppm \pm 100mHz
Basic Accuracy	\pm 0.08%	
AC Measurement	Test Signal Voltage Level	10mV - 2Vrms
	Voltage Minimum Resolution	1mV
	Accuracy	ALC ON: 6% * Voltage \pm 2mV ALC OFF: 10% * Voltage \pm 2mV
	Test Signal Current Level	200 μ A - 20mArms
	Current Minimum Resolution	10 μ A
	Accuracy	ALC ON: 6% * Current \pm 20 μ A ALC OFF: 10% * Current \pm 20 μ A
Test Time (The fastest)	< 3mS	
Output Impedance	25 Ω /100 Ω , switchable (Nominal value)	
Parameters	Z 、 Y 、 θ 、X、R、G、B、L、D、Q、DCR、C、Vdc-Idc、ESR	
Measurement Mode	Meter mode, Multi-steps mode	
Calibration	Open Circuit/ Short Circuit/Load Calibration	
Measurement Circuit	Series/Parallel	
Multi-steps Mode	50 groups of Multi-steps setting (Each group contains up to 15 steps)	
PC LINK / CPK	Option	
Flash Memory	Built-in flash for setting 100 set documents	
USB	LCR setting documents, BMP graphics, Test result data	
Interface	I/O Interface	Handler
	Serial Interface	USB、RS232
	Parallel Interface	GPIB
Display	7.0" TFT, 800x480 Color Screen	
Environment	Temperature: 10 $^{\circ}$ C ~ 40 $^{\circ}$ C、Humidity: \leq 80%RH	
Power Supply	Voltage	90-264Vac
	Frequency	47 - 63Hz
Power Consumption	Low power consumption: Maximum 30W (Nominal value)	
Dimension (W*H*D)	336x147x340 mm	
Weight	3 Kg	