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Component
Tester

Precision Impedance Analyzer



NEW 6630

CE RS232 Remote GPIB Option

Key Feature

- Basic accuracy up to $\pm 0.08\%$
- Operating frequency range: DC, 10Hz ~ 3/5/10/20/30MHz
- Signal source grade: 10mV ~ 2V / 200 μ A ~ 20mA
- Ultra-high measuring speed
- Dielectric permittivity measurement Function
- Electric meter mode, multistep list mode, scan & analyze mode
- Comparator function and Handler BIN classification function
- PC connection data analysis software is available optionally

Accessory

Standard

- Power Cord
- User Manual CD
- DIP Fixture (FX-0000C6)

Optional

- Meter Link Software
- RS-232 Cable
- SMD Fixture (F423905)
- Dielectric Permittivity Fixture

Measuring Range

IZI, R, X	$\pm 0.000\text{m}\Omega - 9999.99\text{M}\Omega$	D	$\pm 0.00000 - 9.99999$
IYI, G, B	$\pm 0.00000\mu\text{S} - 999.999\text{kS}$	Q	$\pm 0.00 - 999999$
C	$\pm 0.00000\text{pF} - 999.999\text{F}$	θ	$\pm 0.000^\circ - 180.000^\circ$
L	$\pm 0.00\text{nH} - 999.999\text{kH}$	$\Delta\%$	$\pm 0.000\% - 999.999\%$
DCR	$0.00\text{m}\Omega - 100\text{M}\Omega$		

Specification

Operating Frequency	6630-03	10Hz - 3MHz	
	6630-05	10Hz - 5MHz	
	6630-10	10Hz - 10MHz	
	6630-20	10Hz - 20MHz	
	6630-30	10Hz - 30MHz	
	Resolution	100mHz, 6 Digits, $\pm 0.01\%$	
Basic Accuracy	$\pm 0.08\%$		
AC Drive Level	Signal Voltage Level	10mV - 2Vrms	
	Voltage Resolution	1mV	
	Accuracy	ALC OFF : 10% * Voltage $\pm 2\text{mV}$ ALC ON : 6% * Voltage $\pm 2\text{mV}$	
	Signal Current Level	200 μ A - 20mA	
	Current Resolution	10 μ A	
	Accuracy	ALC OFF : 10% * Current $\pm 20\mu\text{A}$ ALC ON : 6% * Current $\pm 20\mu\text{A}$	
Test Speed (Max.)	< 5mS		
Output Impedance	25 Ω / 100 Ω (selectable)		
Parameters	Z 、 Y 、 θ 、X、R、G、B、L、D、Q、DCR、C、Vdc-Idc、ESR		
Measurement Mode	Meter mode / Graphic mode / Multi-steps mode		
Calibration	Open Circuit / Short Circuit / Load Calibration		
Equivalent Circuit	Series / Parallel		
Test Range	Automatic / Lock		
Mathematical Mode	Absolute / Percentage		
Multi-steps Mode	50 groups of Multi-steps setting (Each group contains up to 15 steps)		
PC Link / CPK	Optional		
Flash Memory	100 groups of LCR setting 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, 800*480 Color Screen		
Environment	Temperature : 10 ~ 40 $^\circ\text{C}$ / Humidity : $\leq 90\%$ RH		
Power Supply	Voltage	90-264Vac	
	Frequency	47-63Hz	
Power Consumption	Maximum 30W		
Dimension (W*H*D)	344x145x343 mm	Weight	3 Kg

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