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Precision LCR Meter

Model No. **1061A/1062A/1075**



Precision LCR Meter
Model 1061A/ 1062A/ 1075

KEY FEATURES

- Test frequency : 20Hz ~ 200kHz, 0.2% programmable test frequency (1075)
- Test frequency : 40Hz ~ 200kHz, 30 Steps (1061A/1062A)
- Basic accuracy : 0.1%
- 3 different output impedance modes, measurement results are compatible with other well-know LCR meters
- High resolution (0.01mΩ) and high accuracy 0.3% till 400mΩ range are the right tool for low inductance
- Large capacitance, and low impedance component measuring
- Single-function keys, clear LED display, easy to operate

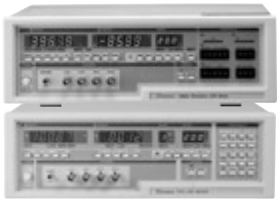
GPIB HANDLER

- 0.01mΩ~99.999mΩ wide measurement range with 5 digits resolution
- Optional Handler & GPIB interface (1062A/1075)
- 8 bin sorting and bin sum count function (1075)
- Primary parameter: HI/GO/LO and secondary parameter: GO/NG judge result (1062A)
- Alarm for GO/NG judge result (1062A/1075)
- L/C/R/Z nominal value, upper limit %, lower limit %, Q/D/R/θ limit setting display (1062A)
- 10 bins sorting and bin sum count function (1075)
- Test signal level monitor function

The 1061A/1062A/1075 LCR Meters is the measurement instrument for passive components. They are applicable to the automatic manufacturers for passive components in material inspection and production line. This series of LCR Meters can fully fulfill the fast and accurate requirements for automatic production. The functions of 8-level counting, pass/fail judgment, and 10 sets of internal save and recall settings meet the production line requirements for speed and quality, thus make this series of LCR Metes the best measurement instruments for material and production line inspection for passive components.

ORDERING INFORMATION

1061A : Precision LCR Meter
1062A : Precision LCR Meter
1075 : LCR Meter
A110104 : SMD Test Cable #17
A110211 : Component Test Fixture
A110212 : Component Remote Test Fixture
A110232 : 4 BNC Test Cable with Clip#18
A110234 : High Frequency Test Cable
A110239 : 4 Terminals SMD Electrical Capacitor Test Box (Patent)
A110601 : GPIB & handler Interface for Model 1062A/1075
A133004 : SMD Test Box
A165009 : 4 BNC Test Cable with Probe



Model 1062A

Model 1075

SPECIFICATIONS

Model	1061A	1062A	1075
Measurement Parameter			
Primary Display	L, C, R, Z	L,C,R, Z, Δ%	L, C, R, ZΔ, Δ%
Secondary Display	Q, D, ESR, θ		
Test Signals Information			
Test Level	10mV~2.5V(non-106x mode),10mV/step		
Test Frequency	40 Hz~200 kHz, 30 steps		20 Hz~200 kHz, programmable
Frequency Accuracy	±0.01%		
Output Impedance(Typical)	Constant = 0 : Varies as range resistors; Constant = 1 : 25Ω ±5% Constant = 2 : 100Ω ±5% ; Constant = 3 : 2Ω, for impedance≧10Ω ; 100mA (1V setting), for inductive load ≦ 10Ω		
Measurement Display Range			
Primary Parameter	R, IZI : 0. 01mΩ~9999.9MΩ, L: 0.0001uH~9999.9H, C: 0.0001pF~9999.9mF		
Secondary Parameter	Q,D: 0.0001~9999, θ : -90.00° ~+90.00° , ESR: 0.01mΩ~9999kΩ, Δ% : 0.0001%~999.99%		
Basic Accuracy *1	±0.1%		
Measurement Time (Fast) *2			
Frequency≧1kHz	55 ms		
Frequency =120Hz	115 ms		
Frequency =100Hz	130 ms		
Trigger	Internal	Internal, External, Manual	
Display	L, C, R, IZI : 5 digits Q, D, R, θ : 4 digits Freq./Voltage/Current : 3 digits	L, C, R, IZI : 5 digits Q, D, R, θ : 4 digits Freq./Voltage/Current : 3 digits D/Q Limit : 5 digits	L, C, R, IZI : 5 digits Q, D, R, θ : 4 digits Freq./Voltage/Current : 3 digits Bin No./Range : 1 digits
Function			
Correction	Open/Short Zeroing		Open/Short zeroing, Load
Equivalent Circuit Mode	Series, Parallel		
Interface & Input/Output			
Interface	GPIB	GPIB, Handler (24 pin)	GPIB ,Handler (24 pin)
Output Signal	--	Pass/Fail identification	Sorting Signal
Comparator	--	Upper limit/ Lower limit(%) setting	--
Bin Sorting	--	--	8 bin sorting (%)
Memory	1 set	1 set	10 set
General			
Operation Environment	Temperature : 10°C ~ 40°C, Humidity : < 90 % R.H.		
Power Consumption	55VA max.		
Power Requirement	90 ~ 125Vac or 190 ~ 250Vac, 48 Hz ~ 62 Hz		
Dimension (H x W x D)	102 x 272 x 350 mm / 4.02 x 10.71 x 13.78 inch	130 x 410 x 353 mm / 5.12 x 16.14 x 13.9 inch	
Weight	5.5 kg / 12.11 lbs	6.2 kg / 13.66 lbs	

Note*1 : The specification of accuracy is under the following conditions:
1) Warm up time: >10 min. **2)** Environment temperature : 23±5°C **3)** OPEN/SHORT offset modification completed **4)** D < 0.1
Note*2 : Measurement time includes all of the time for UUT measurement, calculation and primary/secondary parameters identification.

All specifications are subject to change without notice.
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