

## LCR Meters



### MODEL 1061A 1062A 1075

#### Key Features

- Test frequency: 20Hz – 200kHz, accuracy 0.2%, programmable (1075 only)
- Test frequency: 40Hz – 200kHz, 30 steps (1061A & 1062A only)
- Basic measurement accuracy: 0.1%
- 3 impedance output modes for selection, test result fully compatible with other well-known manufacturer's LCR meters
- Low impedance up to 0.01m $\Omega$  resolution and 0.3% accuracy up to 400m $\Omega$  test range
- Precision test fixture provided for measuring large capacitance and low impedance components
- Single function keys with clear LED display for convenient operation
- Wide measurement range from 0.01m $\Omega$  to 99.999M $\Omega$  and 5 digits resolution
- Optional HANDLER(1062A/1075 only) and GPIB interface available for selection
- 8 bin sorting and calculation function (1075 only)
- Primary parameter HI/GO/LO and secondary parameter GO/NG judgment (1062A only)
- Beep warning for GO/NG test result (1062A/1075 only)
- Tumbler switch is used for setting LCRZ standard, high limit %, low limit % and Q/D/R limits (1062A only)
- 10 sets of internal settings available for storage and recall (1075 only)
- Test levels observed from display

## LCR Meters

Zentech 1061A/1062A/1075 LCR Meters are the passive components measurement instruments that are suitable for the incoming, QA inspection and production line test in automated manufacturers. This series of LCR Meters fully meet the requirements of an automated production line for rapidity and accuracy.

The family provides up to 200kHz test frequency and multiple measurement functions including L, C, R, Z,  $\Delta$ ,  $\Delta\%$ , Q, D, ESR and  $\theta$ . These powerful measurements with four output impedance for choice can meet the passive components such as resistor, capacitor,

inductor, transformer testing needs and compare with all of Quadtech, Agilent and Wayne kerr same class LCR Meter.

The functions of 8 bin sorting and calculation, Pass/Fail (GO/NG) products identification and 10 sets of internal settings for storage and recall, all can satisfy the speed and quality needs of an automated production line. With these powerful features, Zentech 1061A/1062A/1075 LCR Meters are the excellent measurement instruments for incoming, QA inspection and production line test for passive component industry.



**Chroma**

## SPECIFICATIONS

Model	1061A	1062A	1075
<b>Test Parameter</b>			
Primary Parameter	L,C,R,Z	L, C, R, Z, Δ%	L, C, R, Z, Δ, Δ%
Secondary Parameter		Q, D, ESR, $\theta$	
<b>Test Signal</b>			
Test Level	10mV~2.5V(non-106x mode), 10mV/step		
Test Frequency	40Hz~200kHz, 30 step	20Hz~200kHz, programmable	
Frequency Accuracy	±0.2%		
Output Impedance (Nominal Value)	Constant=0:range varies by resistance Constant=1:25Ω Constant=2:100Ω Constant=3:2Ω, impedance ≥10Ω 100mA(1V setting), inductance load ≤10Ω		
<b>Measurement Display Range</b>			
Primary Parameter	R, IZl:0.01mΩ~9999.9MΩ L:0.0001μH~9999.9H C:0.0001pF~9999.9mF		
Secondary Parameter	Q,D:0.0001~9999 $\theta$ :-90.00°~+90.00° ESR:0.01mΩ~9999kΩ Δ%: 0.0001%~999.99%		
Basic Measurement Accuracy (Note 1)	0.1%		
<b>Measurement Speed (Maximum) (Note 2)</b>			
Frequency ≥1 kHz	55mS		
Frequency =120 Hz	115mS		
Frequency =100 Hz	130mS		
Trigger	Internal	Internal/External (Manual)	
Display	L, C, R, IZl:5 digits Q, D, R, $\theta$ :4 digits Frequency/Potential/Current: 3 digits	L, C, R, IZl:5 digits Q, D, R, $\theta$ :4 digits Frequency/Potential/Current: 3 digits Standard: 5 digits (Tumbler Switch) Maximum limit: 3 digits (Tumbler Switch) Minimum limit: 3 digits (Tumbler Switch) D/Q limit: 5 digits (Tumbler Switch)	L, C, R, IZl:5 digits Q, D, R, $\theta$ :4 digits Frequency/Potential/Current: 3 digits Sorting/Measurement Range: 1 digit
Equivalent Circuit Mode	Serial/Parallel		
Ext. DC Bias Voltage	DC 0~25V		
Correction	Open circuit, Short circuit		Open circuit, Short circuit, Load
<b>Interface &amp; Input/Output</b>			
Interface	GPIB	GPIB Handler (24 pin)	GPIB Handler (24 pin)
Output Signal	--	Pass/Fail identification	Sorting Signal
Comparator	--	Max. limit/Min. limit (%) setting	--
Bin Sorting	--	--	8 bin sorting (%)
Memory	1 set	1 set	10 sets
<b>General</b>			
Operating Environment	Temperature: 10°C~40°C Humidity: 10%-90% RH		
Consumption Environment	55VA Max.		
Power Requirement	90Vac~125Vac or 190Vac~250Vac, 48Hz~62Hz		
Weight	Approximately 5.5kg	Approximately 6.5kg	
Dimension (WxHxD)	270x105x350mm	405x130x365mm	

All specifications are subject to change without notice.

**[Note 1]** The specification of accuracy is under the following conditions:

1)Warm up time: >10 min. 2) Environment temperature at 23±5°C 3)OPEN/SHORT offset modification completed 4)D < 0.1

**[Note 2]** The measurement time includes all of the time for UUT measurement, calculation and primary/secondary parameters identification.

### Order Information

Zentech 1061A	Precision LCR Meter	A110001	Test Kit #1
Zentech 1062A	Precision LCR Meter	A110003	Test Kit #3
Zentech 1075	Precision LCR Meter	A110601	GPIB/HANDLER Interface Card
		A133004	SMD Test Kit

Developed and Manufactured by :

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