

Improved

1kHz Digital LCR Meter

Model 3601

Low price, Hi-grade, Hi-performance, General purpose 1kHz LCR Meter

Engineer's companion

Portable or on desk works !!

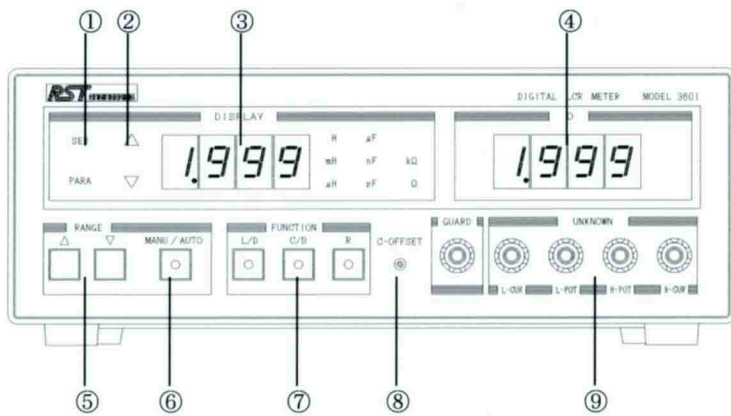


RST
ENGINEERING
Realize New Era
of
LCR Measurement

RST ENGINEERING CO., LTD
KYOTO JAPAN

1kHz Digital LCR Meter Model 3601

Optimum for measurement of elements such as Coil Condensor, Resistor, Circuit Breaker, Contact Resistance of Switch, Relay and also internal Resistance of Battery, Junction capacitance of Semi-Conductors etc.



- ① Mesuring Mode Display[displays parallel equivalent circuit and series circuit] .
- ② Range Changeover Display [displays the direction of range selection with manual range. When the optimum range is selected, neither Δ nor ∇ light up].
- ③ LCR Display [displays L,C,R, value at 3 1/2 digit]
- ④ D Display [D=Loss factor].
- ⑤ Range Switch [at range Switch ON,the range rises up
- ⑥ Range Mode Switch [Auto-Range or Manual-Range is selected]
- ⑦ Function Switch[measuring circuit parameter is selected].
- ⑧ C-OFFset Adjustment[when capacitance is measured, the stray capacitance which have measuring Jig etc. can be erased(approx.20pF)]
- ⑨ Measuring Terminals [5 terminal of Voltage,Current & guard terminal].

Merits

- ◆ Direct digital measurement for Electronic prt,elements as Coils,Condensors, Resistors etc.
- ◆ Auto-selection of most suitable range by Auto-range fuction,Auto-mode.
- ◆ At measurement of L&C,Loss Factor(D) is also indicated at the same time.
- ◆ Having output of Analog Voltage for both L,C,R&D,possible connection to Analog Recorder or Analog Comparater.
- ◆ Applied Electronic touch type(less trouble,easy operation)instead of Mechanical Push in type Switch.

Specifications

Measuring Ranges & Accuracy (23°C±5°C)

Funktion	Measuring Range	Signal Accuracy
L	0.1 μ H ~ 199.9 μ H	$\pm(0.3\%$ of rdg + 2digit)TYP
C	0.1pF ~ 1999 μ F	
R	1m Ω ~ 1999k Ω	
D	0.001 ~ 1.999	$\pm(0.5\%$ of rdg + 2digit)TYP

Signal level and Circuit mode

Funktion	Signal level	Circuit mode
L	10mA ~ 1 μ A	Series equivalent circuit
C	1V ~ 0.1V	Parallel equivalent circuit (200pF ~ 200nF)
	150 μ A ~ 15mA	Series equivalent circuit (2 μ F ~ 2000 μ F)
R	100mA ~ 1 μ A	Series equivalent circuit

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|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|
| Measuring Way | : 4 terminals | Display | : 3 1/2 digit 1999 max. |
| Measuring Frequency | : 1kHz \pm 5% Sine wave | Capacitance offset | : Approx.20pF |
| Sampling time | : 10 times per second | Analog V output | : CD 2V FSD |
| Range Switching | : Automatic & Manual | External Bias | : 0~50V DC |
| Measuring Time | : max.1sec.until display becomes stable | | |
| Ambient Condition | : Temp 0°C ~ +40°C. Humidity below 80% | | |
| Power supply | : AC 100V/117V/220V/240V \pm 10% 50/60Hz | | |
| Dimensions & weight | : 255(W) \times 90(H) \times 255(D)mm 2.5kg approx. | | |
| Standard Accessories | : Power source cable : 1pc. Fuse(as Spare) : 1pc. Test Leads : 1set
Instruction Manual (Japanese or English) : 1copy. | | |
| Option | : Measuring cable with Kelvin Clip Model PBR-01 | | |

※ For improvement, subject to change specifications etc without notice.



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