

Compact, Hi-grade, Hi-performance, Lowcost Capacitance Meter

1 kHz Capacitance Meter

Model 6651



RST ENGINEERING CO., LTD

KYOTO JAPAN

1KHz Capacitance Meter Model 6651

- Measure wide range C value 10pF ~ 9.9 μ F
- Direct measurement of deviation value at percent to standard set value of 2 figures significant value and 1 exponent value.
- Hi-speed digital measurement of 25msec.
- Two steps (each for Positive & Negative) Digital comparator built in.
- Output compare result at every measurements (- NG/GO/+NG).
- Buzzer for judgement result.
- BCD parallel output for every measured data built in.
- Possible remote DC bias (max. DC 25V).
- Possible external trigger.

Specifications

Measurement Limit and Accuracy (at 23 $\pm$ 5)

Range	Standard setting value	Signal	Accuracy
0	10pF ~ 99pF	1 V(rms)	Within $\pm$ 0.25% $\pm$ 1pF $\pm$ 1digit
1	100pF ~ 990pF		
2	1000pF ~ 9900pF		
3	10nF ~ 99nF		
4	100nF ~ 990nF		
5	10 μ F ~ 9.9 μ F		

[D<0.5 Parallel equivalent circuit]

- Measuring way : 5 terminals Measurement Parallel equivalent circuit.
- Measuring Frequency : 1kHz $\pm$ 5%, sine wave.
- Standard value setting : Digital setting of 2 figures significant value and 1 figure exponent value.
- Measure display range : - 99.9% ~ +99.9%
- Measuring time : Remote start 25msec
Free running 25 times/sec.
- Correction limite of Stray Capacitance : Approx. 10pF
- Comparator set range : +LIMIT +0.0% ~ +99.9% - LIMIT - 0.0% ~ - 99.9%
- Comparator judgement : +NG/GO/ - NG Buzzer & external output.
- Output & Input : Input of Remote Start
Compared output (- NG/GO/+NG) } Opencollector
Measurement end output(EOC) } max. 50V,100mA
Measured value BCD parallel output Fan out 2.
- Power supply : AC100V / 117V / 220V / 240V $\pm$ 10% 50/60Hz.
- Dimensions : 255(W) $\times$ 90(H) $\times$ 255(D)mm
(excluding protrudinng parts such as rubber legs)



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