

1 kHz INDUCTANCE METER

3 1/2 digit display

Measuring range 0 ~ 200mH

# Model 3801

- LOW COST
- 4 terminal measuring system
- High speed processing at 25msec measuring time (Remote start)
- Installed Comparator
- LO, GO, HI judgement output function
- Confirming display of set value
- BCD output

*Suitable to installation on Automatic Machines, having high speed of measuring stable time and sampling time by functions of Remote Trigger and measurement ending output signal.*



*Optimum for product test of Coils, Transformers etc.*

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Realize New Era  
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LCR Measurement

**RST ENGINEERING CO., LTD**  
KYOTO JAPAN

# 1kHz Inductance Meter Model 3801

## Specifications

Measuring range & accuracy ( $D < 0.5$  Serial equivalent circuit)

Range	Measuring current	Max.display	Accuracy
20 $\mu$ H	100 mA	19.99 $\mu$ H	$\pm 3\% \pm 5$ digit of F.S.
200 $\mu$ H	10 mA	199.9 $\mu$ H	Within $\pm 1\% \pm 3$ digit of F.S.
2 mH	1 mA	1.999 mH	
20 mH	100 $\mu$ A	19.99 mH	
200 mH	10 $\mu$ A	199.9 mH	

Ambient temp 23  $\pm$  5

- \* Accuracies figures are statical ones such as static condition on table, neglecting effect of noise.
- \* Measuring limit is at the condition of **D<0.5 at 1kHz**.  
For example, in case of serial DCR is over 0.3 at 100 $\mu$  H, it is out of 1 limit. (Near to D=1, accuracy is out of 1 limit though can be displayed.)

Measuring Frequency	1kHz $\pm$ 5%, sine wave
Measuring method	4 terminals measurement
Limit of display	000 ~ 1999 (3 1/2 absolute value)
Comparator	2 steps setting of HI & LO - LIMIT 3 judged value output of LO,GO,HI Setting effective limit 0000 ~ 2000 LED & Opencollector of LO,GO,HI
Sampling time	Remote start 25msec approx. (Plus analog response time 100msec approx.) (as whole measuring time.)  Free running 10 times/sec.
Remote control	Input.....start (+12V isolation), Comparator • Reset Output.....EOC,each judged output (+12V isolation)
Measured data output signal	Measured parallel output/print command/range output/over signal TTL level, fan out 2
Power supply	AC 100/117/220/240V, $\pm$ 10% 50/60Hz
Operating ambience	Temperature..... +10 ~ +35 Humidity.....below 80%
Outer dimensions	255(W) $\times$ 90(H) $\times$ 255(D) mm Excluding protruding part such as rubber legs.
Weight	3.5 kg approx.

Specifications and design are subject to change without notice for improvement.



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