

Hi-Stability, Hi-Accurate, Hi-Speed % measurement
by Comparison way with Master tip Thermister.

Same time comparison type Thermister Checker

Model 1650

Realized quite high speed measurement by same time measurement of R_s/R_x !

Approx. 5msec !!

Display contact-error of R_s or R_x terminal
(contact check NG display function)

- Low consumption of measuring power within 300nW
- Measurement Limit $10\Omega \sim 1M\Omega$
- Display range $\pm 39.99\%$
- Measurement time 5msec approx.
- Comparator setting limit $\pm 00.00\% \sim \pm 39.99\%$
- Difference between Nominal value and MasterTip value
can correct within therange of $\pm 9.99\%$



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Features

- Same time Comparison measurement with Master Thermistor Tip and the Tip to be measured.
- Compared value is displayed as judgement of HI/GO/LO and output signal.
- Measured value is displayed as deviation value -39.99% ~ +39.99%.
- Difference between Nominal value and Master Tip value can correct within the rang of $\pm 9.99\%$.
- Have measurement power save function, preventing increasing temperature of tip to be measured (supply power at only measuring time)

Specifications

Measurement limit & accuracy (at temp. 23 ± 5)

Standard setting value	Measuring current	Measuring power	Display limit	Accuracy
10.0 ~ 99.9	1mA	300nW	$\pm 39.99\%$	within $\pm 0.02\% \pm 1$ digit
100 ~ 999	100 μ A	30nW		
1.00k ~ 9.99k	10 μ A	3nW		
10.0k ~ 99.9k	10 μ A	30nW		
100k ~ 1.00M	5 μ A	75nW		

Measurement method

4 terminal measurement Rs/Rx same time measurement method

Measurement time

Power frequency	Remote start	Free running
60Hz	Approx.5msec	Approx.30time/sec
50Hz	Approx.5msec	Approx.25time/sec

Comparator setting limit

Both for H & L $\pm 00.00\% \sim \pm 39.99\%$

Judgement display

HI/GO/LO display

Contact error display CE1 display : Rs terminal side error
CE2 display : Rx terminal side error
CE3 display : Both Rs/Rx terminal side error

Input/Output signal

Input signal : START, HOLD

Output signal : EOC (end of judgement)
HI/GO/LO (judgement output)
C.E (contact error)

} Open-collector output
Mx. 40V, 200mA

Ambient condition

Temp 0 ~ +50 Humidity below 85%

Outer dimension

330(W)×99(H)×350(D)mm

Power

100V,110V,220V,240V Approx.30VA

Weight

7.5kg Approx.

Option

Function for 7 classifications

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



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