

Model

AX-1136A

External standard type Digital thermistor checker

Compare with external standard thermistor, percentage measurement



- Available to make % measurement against standard value at room temperature regardless of temperature characteristic in comparison with external standard-thermistor.
- Possible to reduce error of the measured value for Self-heating on the measuring object by pulse impress of low measuring power (Within 150 μ W).
- Available to measure the resistance value of external standard or to measure the resistance value of the measuring object.
- Available to calibrate the difference ($\pm 9.999\%$) on resistance value of external standard and to correctly measure the measuring object.
- Digital comparator is built-in.
- Measuring current/voltage-check are built-in as standard function.

Specifications

Measuring range and Accuracy (at 23°C $\pm 5^\circ$ C)

Range	Measuring range	Measuring current	Accuracy	Display
10 Ω	0.000 Ω ~ 15.000 Ω	3mA	within $\pm 0.03\% \pm 2$ digit [Slow]/within ± 5 digit [FAST]	15000
100 Ω	0.00 Ω ~ 150.00 Ω	1mA	within $\pm 0.02\% \pm 2$ digit [Slow]/within ± 5 digit [FAST]	
1k Ω	0.0 Ω ~ 1500.0k Ω	300 μ A		
10k Ω	0.000k Ω ~ 15.000k Ω	100 μ A		
100k Ω	0.00k Ω ~ 150.00k Ω	10 μ A	within $\pm 0.02\% \pm 3$ digit [Slow]	
1M Ω	0.0k Ω ~ 1500.0k Ω	1 μ A	within $\pm 0.02\% \pm 5$ digit [Slow]	5000
5M Ω	0k Ω ~ 5000k Ω	0.5 μ A		
%	1 Ω ~ 5000k Ω	refer to the above	refer to the above	$\pm 50.00\%$

Open-circuit voltage of measuring terminal	less than 12V
Measuring method	4-terminal measurement, Scanning of Rs/Rx, Available to Contact-Check both Rs and Rx.
Sampling time	[Free running mode] 5 times/sec. [Slow], 10 times/sec. [FAST] [If the average mode] 1.8 times/sec. [Slow], 3.7 times/sec. [FAST] [Remote start mode] about 27msec. [Slow], about 15msec [Fast] (Difference by range and mode.)
Comparator set range	$\pm 50.00\%$ both upper and lower limit.
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	Remote start input: "L" [0V] \rightarrow "H" [DC12V] start Remote hold input: Open and "H" [DC12V] : Free run/"L" [0V] : Hold comparison output [LO/GO/HI]: open collector: max.40V, 100mA contact error output [CE]: open collector: max.40V, 100mA end of comparison output [EOC]: open collector: max.40V, 100mA
Operation condition	[Temp.] $+5^\circ\text{C} \sim +40^\circ\text{C}$ [Humidity] less than 85%
Power supply	AC100V \sim 240V selectable, 50/60Hz, about 60VA
Outer dimension	about 333 (W) \times 99 (H) \times 300 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 3.8kg

The Outline

AX-1136A can compare the resistance value of the thermistor with the external standard thermistor, displays it in percentage of the deviation, compares it with the set value, performs judgment output.

Option

- GP-IB Interface
- RS-232C Interface
- Printer output (8 bit parallel Centronics)
- Printer cable

*Either one interface can built-in the option above.