

RTD & RESISTANCE CALIBRATOR MODEL : TSC-03B

FEATURES

- Very smart - All 7 RTDs built in one unit
- Both source and measure in one unit.
- RTDs 2wire, 3 wire and 4 wire configuration built in resistance source and measure facility.
- Relative humidity: up to 95%
- Vibration: Random 2 g,5 Hz to 500 Hz
- Shock: 1 meter drop test
- Power requirements: Single 9 V battery (ANSI/NEDA 1604A or IEC 6LR61)
- Size: 190mm L×89mm W×42mm H
- Weight: Approx. 350g

STORAGE CONDITION

- Storage temperature: -40°C to 60°C.
- Operation temperature: -10°C to 55 °C.
- Operation altitude: 3000 meters maximum



TECHNICAL SPECIFICATION

Resistance Specification			
RANGE	Input Accuracy 4 Wire ± Ω	Output Accuracy ± Ω	Allowable Excitation (mA)
0 Ω ~ 400.0 Ω	0.1	0.1	0.1~3.0
400.0 Ω ~ 1500.0 Ω	0.5	0.5	0.05~0.8
1500.0 Ω ~ 3200.0 Ω	1	1	0.05~0.4

RTD Specifications					
RTD TYPE	RANGE °C (°F)	Accuracy (°C)			Allowable Excitation (mA)
		INPUT		OUTPUT	
		4W	2W/3W		
Pt10 (385)	-200.0 ~ 800.0 (-328.0 ~ 1472.0)	1.5	1.5	1.5	0.1 ~ 3.0
Pt50 (385)	-200.0 ~ 800.0 (-328.0 ~ 1472.0)	0.3	0.5	0.5	0.1 ~ 3.0
Pt100 (385)	-100.0 ~ 400.0 (-148.0 ~ 752.0)	0.2	0.3	0.3	0.1 ~ 3.0
	-200.0 ~ 800.0 (-328.0 ~ 1472.0)	0.3	0.4	0.4	0.1 ~ 3.0
Pt200 (385)	-200.0 ~ 630.0 (-328.0 ~ 1166.0)	0.2	0.4	0.4	0.1 ~ 3.0
Pt500 (385)	-200.0 ~ 630.0 (-328.0 ~ 1166.0)	0.2	0.4	0.4	0.05~ 0.8
Pt1000(385)	-200.0 ~ 630.0 (-328.0 ~ 1166.0)	0.2	0.4	0.4	0.05~ 0.4
Pt100(385)JIS	-200.0 ~ 800.0 (-328.0 ~ 1472.0)	0.3	0.4	0.4	0.1 ~ 3.0



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