

The Tekneka TCAL50 RTD calibrator can simulate and measure seven different RTD types and resistance as well. Its measuring and output range is from 0 to 3200Ω/-200 to 800°C. Accessible Pt10, Pt50, Pt100, Pt200, Pt500, Pt1000, and Pt100 JIS modes are available, along with large, clearly visible digits on a 3" LCD. To improve your RTD calibration experience, use TCAL50 to ensure accuracy and consistency in every measurement.

Features

- It has an input/output resistance range of 0 to 3200Ω
- Large numerical digits with 3" LCD
- Option to select 2-wire, 3-wire and 4-wire inputs
- Pt10, Pt50, Pt100, Pt200, Pt500, Pt1000 and Pt100 JIS modes available
- Easy to switch between RTD & probe type selection
- Quick shifting of units (°C/°F)
- Output resistance/temperature is adjustable
- By default 30 minutes for auto power off

Applications

Tekneka TCAL50 is widely used by instrument control technicians, calibration laboratories, industrial field service engineers, quality control professionals, maintenance technicians, and automation and control system engineers.



Technical Specifications

Range	4-Wire Measurement Accuracy (Input)	Simulation Accuracy (Output)	Acceptable Excitation
0 to 400Ω	± 0.1Ω	± 0.15Ω	0.1 to 0.5mA
		± 0.1Ω	0.5 to 3mA
400 to 1500Ω	± 0.5Ω	± 0.5Ω	0.05 to 0.8mA
1500 to 3200Ω	± 1Ω	± 1Ω	0.05 to 0.4mA
	± 2Ω		

Mode	Range	4-Wire Input	Accuracy 2-Wire/3-Wire Input	Output	Acceptable Excitation
Pt10 385	-200 to 800°C				0.1 to 3mA
Pt50 385	-200 to 800°C	0.7	1.0°C	0.7	0.1 to 3mA
Pt100 385	-200 to 800°C	0.33	0.5°C	0.33	0.1 to 3mA
Pt200 385	-200 to 250°C	0.2	0.3°C	0.2	0.1 to 3mA
	250 to 630°C	0.8	1.6°C	0.8	
Pt500 385	-200 to 500°C	0.3	0.6°C	0.3	0.05 to 0.8mA
	500 to 630°C	0.4	0.9°C	0.4	
Pt1000 385	-200 to 100°C	0.2	0.4°C	0.2	0.05 to 0.8mA
	100 to 630°C	0.2	0.5°C	0.2	
Pt100 JIS	-200 to 630°C	0.3	0.5°C	0.3	0.1 to 3mA

Packing Includes

- Holster
- Test Leads
- Crocodile Clip
- 6 x AAA Batteries
- Calibration Certificate
- User Manual

Ordering Info

TCAL50..... RTD Calibrator

General Specifications

Units	°C/°F, Ω
Storage Temperature	-40 to 60°C (-40 to 140°F)
Operating Temperature	0 to 50°C (32 to 122°F)
Power Supply	6 x 1.5V
Dimension	205 x 97 x 45mm
Weight	472g
Mains Power Supply	Input: 100 ~ 240V AC, 50 ~ 60Hz 1.8A Output: 12V DC, 2A Max