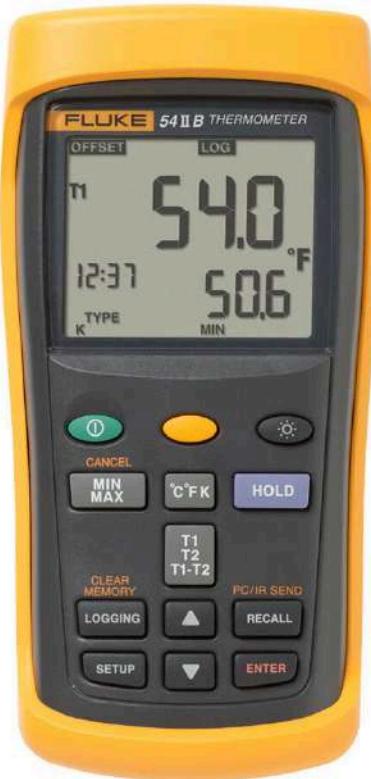


TECHNICAL DATA

54 II B Data Logging Thermometer with Dual Input



Key features

- Large backlit dual display shows any combination of T1, T2 (52 and 54 only), T1-T2 (52 and 54 only), plus MIN, MAX, or AVG
- Recall function allows logged data to be easily reviewed on the meter display
- Infrared USB communication port allows data to be exported to optional FlukeView Forms® Temperature PC software for further analysis and graphing
- Data Logging up to 500 points of data with user adjustable recording interval
- Relative time clock on MIN, MAX, and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Measures J, K, T, E, R, S, and N-type thermocouples
- Readout in °C, °F, or Kelvin (K)
- Splash and dust resistant case protected by impact absorbing holster
- User-friendly front panel is easy to set up and operate
- Sleep mode increases battery life; typical 1000-hour battery life
- Battery door allows easy battery replacement without breaking the calibration seal
- Optional ToolPak accessory allows the thermometer to hang from any metal object (with the rare earth magnet) or secure around a pipe (with hook-and-loop straps) for hands-free operation
- 3 year warranty

Product overview: 54 II B Data Logging Thermometer with Dual Input

Laboratory accuracy. Wherever you go

Fluke 54 II B dual input digital thermometer can log up to 500 points of data to internal memory. Fast response and laboratory accuracy ($0.05\% + 0.3\text{ }^{\circ}\text{C}$). Take contact temperature for checking motors, insulation, breakers, pipes, corroded connections, liquids, and wires with industrial standard J, K, T, E, N, R, and S type thermocouple (temperature sensors).

Specifications: 54 II B Data Logging Thermometer with Dual Input

General Specifications		
Temperature accuracy	Above $-100\text{ }^{\circ}\text{C}$	J, K, T, E, and N-type: $\pm[0.05\% + 0.3\text{ }^{\circ}\text{C}]^1$
		R and S-type: $\pm[0.05\% + 0.4\text{ }^{\circ}\text{C}]^1$
	Below $-100\text{ }^{\circ}\text{C}$	J, K, E, and N-types: $\pm[0.20\% + 0.3\text{ }^{\circ}\text{C}]^1$
		T-type: $\pm[0.50\% + 0.3\text{ }^{\circ}\text{C}]$
Temperature	J-type	-210 $^{\circ}\text{C}$ to 1200 $^{\circ}\text{C}$
	K-type	-200 $^{\circ}\text{C}$ to 1372 $^{\circ}\text{C}$
	T-type	-250 $^{\circ}\text{C}$ to 400 $^{\circ}\text{C}$
	E-type	-150 $^{\circ}\text{C}$ to 1000 $^{\circ}\text{C}$
	N-type	-200 $^{\circ}\text{C}$ to 1300 $^{\circ}\text{C}^1$
	R and S-type	0 $^{\circ}\text{C}$ to 1767 $^{\circ}\text{C}^1$
Temperature scale	ITS-90	
Applicable standards	NIST-175	
Display resolution	0.1 $^{\circ}\text{C}$, 0.1 K < 1000	
	1 $^{\circ}\text{C}$, 1 K ≥ 1000	

1. Only the Fluke Models 53 II B and 54 II B thermometers are capable of measuring N, R, and S-type thermocouples.

Environmental Specifications	
Operating temperature	-10 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
Storage temperature	-40 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$
Humidity (without condensation)	0% to 90%; 0 $^{\circ}\text{C}$ to 35 $^{\circ}\text{C}$
	0% to 70%; 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$

Safety Specifications	
Overvoltage category	CSA C22.2 No. 1010.1 1992; EN 61010 Amendments 1,2

Agency approvals	CE, CSA, TÜV (pending)
Mechanical and General Specifications	
Size (L x W x D)	173 x 86 x 38 mm
Weight	400 g
Batteries	3 AA batteries; typical 1000-hour life

Ordering information



Fluke 54 II

Fluke 54 II Dual Input Digital Thermometer

Includes:

- Impact absorbing holster
- Two 80PK-1 bead probe thermocouples



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