

Fluke 54 II B

Dual Input Digital Thermometer with Data Logging

- 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, R, S, N and E-types of thermocouples
- Readout in °C, °F, or Kelvin (K)
- Splash and dust resistant case protected by impact absorbing holster
- Large backlit dual display shows any combination of T1, T2, T1-T2, plus MIN, MAX, or AVG.
- Recall function allows logged data to be easily reviewed on the meter display
- 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



The Fluke 54 II B contact thermometer and data logger offers fast response and laboratory accuracy (0.05% + 0.3°C) in a rugged, handheld test tool

Specification Fluke 54 II B	
Temperature accuracy	Above -100 °C: J, K, T, E, and N-type: $\pm[0.05\% + 0.3^{\circ}\text{C}]$ R and S-type: $\pm[0.05\% + 0.4^{\circ}\text{C}]$ Below -100 °C: J, K, E, and N-types: $\pm[0.20\% + 0.3^{\circ}\text{C}]$ T-type: $\pm[0.50\% + 0.3^{\circ}\text{C}]$
Temperature	J-type: -210 °C to 1200 °C K-type: -200 °C to 1372 °C T-type: -250 °C to 400 °C E-type: -150 °C to 1000 °C N-type: -200 °C to 1300 °C R and S-type: 0 °C to 1767 °C
Temperature scale	ITS-90
Applicable standards	NIST-175
Display Resolution	0.1 °C, 0.1 K < 1000 1°C, 1 K >=1000
Environmental Specifications	
Operating Temperature	-10 °C to 50 °C
Storage Temperature	-40 °C to 60 °C
Humidity (Without Condensation)	0% to 90%; 0 °C to 35 °C 0% to 70%; 0 °C to 50 °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	173 mm L x 86 mm W x 38 mm
Weight	400 g
Batteries	3 AA batteries; typical 1000-hour life