

Thermometer

Model: 54 II

Features:

- 1- Relative time clock on MIN, MAX, and AVG provides a time reference for major events
- 2- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- 3- Measures J, K, T, and E-types of thermocouples
- 4- Readout in °C, °F, or Kelvin (K)
- 5- Splash and dust resistant case protected by impact absorbing holster
- 6- User-friendly front panel is easy to set up and operate
- 7- Sleep mode increases battery life; typical 1000-hour battery life
- 8- Battery door allows easy battery replacement without breaking the calibration seal
- 9- 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.
- 10- Large backlit dual display shows any combination of T1, T2, T1-T2 plus MIN, MAX, or AVG.
- 11- Additional thermocouple types R, S, and N
- 12- Recall function allows logged data to be easily reviewed on the meter display
- 13- IR communication port allows data to be exported to optional FlukeView Forms® Temperature PC software for further analysis and graphing
- 14- Data Logging up to 500 points of data with user adjustable recording interval



Specifications:

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 $\geq$ 1000	