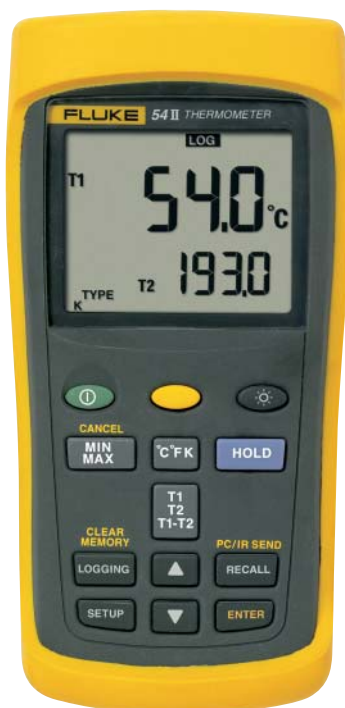


# 50 Series II Thermometers



Fluke 54 II



Fluke 51 II



Fluke 52 II



Fluke 53 II



## Included Accessories

Impact absorbing holster  
Two bead probe thermocouples 80PK-1 (54+52)  
One bead probe thermocouple 80PK-1 (51+53)

## Ordering Information

Fluke 51 II Thermometer  
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Fluke 54 II Thermometer  
FVF-SC1 FlukeView Forms Software including interface cable

## Laboratory accuracy. Wherever you go.

The Fluke 50 Series II contact thermometers offer fast response and laboratory accuracy (0.05% + 0.3°C) in a rugged handheld test tool.

- Large backlit dual display shows any combination of T<sub>1</sub>, T<sub>2</sub> (52 and 54 only), T<sub>1</sub>-T<sub>2</sub> (52 and 54 only) plus MIN, MAX, or AVG
- 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
- Readout in °C, °F, or Kelvin (K)
- Sleep mode increases battery life
- Battery door allows easy battery replacement without breaking the calibration seal

## Additional features for the 53 and 54 Series II:

- Data Logging up to 500 points of data with user adjustable recording interval
- Real time clock captures the exact time of day when events occur
- Recall function allows logged data to be easily reviewed on the meter display
- IR communication port allows data to be exported to optional FlukeView® Temperature PC software

## Features

|                                                     | 51 II         | 52 II         | 53 II         | 54 II         |
|-----------------------------------------------------|---------------|---------------|---------------|---------------|
| Thermocouple types                                  | J,K,T,E       | J,K,T,E       | J,K,T,E,N,R,S | J,K,T,E,N,R,S |
| Number of inputs                                    | Single        | Dual          | Single        | Dual          |
| Time stamp                                          | Relative Time | Relative Time | Time of Day   | Time of Day   |
| Splash/Dust resistant                               | ●             | ●             | ●             | ●             |
| Dual display with backlight                         | ●             | ●             | ●             | ●             |
| Min/Max/Avg recording                               | ●             | ●             | ●             | ●             |
| (T <sub>1</sub> -T <sub>2</sub> ) True differential |               | ●             |               | ●             |
| Data logging up to 500 points                       |               |               | ●             | ●             |
| IR data port for interface to PC                    |               |               | ●             | ●             |
| Compatible with optional FlukeView Software         |               |               | ●             | ●             |

## Specifications

| Temperature range:       |               |                             |                    |
|--------------------------|---------------|-----------------------------|--------------------|
| J-type                   | Thermocouples | -210°C to 1200°C            | (-346°F to 2192°F) |
| K-type                   | Thermocouples | -200°C to 1372°C            | (-328°F to 2501°F) |
| T-type                   | Thermocouples | -250°C to 400°C             | (-418°F to 752°F)  |
| E-type                   | Thermocouples | -150°C to 1000°C            | (-238°F to 1832°F) |
| N-type**                 | Thermocouples | -200°C to 1300°C            | (-328°F to 2372°F) |
| R** and S-type**         | Thermocouples | 0°C to 1767°C               | (32°F to 3212°F)   |
| Temperature accuracy     |               |                             |                    |
| Above -100°C (-148°F):   |               |                             |                    |
| J, K, T, E, and N-type** |               | ± [ 0.05% + 0.3°C (0.5°F) ] |                    |
| R** and S-type**         |               | ± [ 0.05% + 0.4°C (0.7°F) ] |                    |
| Below -100°C (-148°F):   |               |                             |                    |
| J, K, E, and N-types     |               | ± [ 0.20% + 0.3°C (0.5°F) ] |                    |
| T-type                   |               | ± [ 0.50% + 0.3°C (0.5°F) ] |                    |

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

**Battery life:** 1000 hours typical, AA  
**Size (HxWxD):** 173 x 86 x 38 mm

**Weight:** 0.4 kg  
**Three Year Warranty**

## Recommended Accessories



C25



80PK-26



80PK-25



FVF-SC1



TPAK