

# 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
- VVF-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          |  |                             |  |
|-------------------------------|--|-----------------------------|--|
| <b>Above -100°C (-148°F):</b> |  |                             |  |
| 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) ] |  |
| <b>Below -100°C (-148°F):</b> |  |                             |  |
| 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

