

# 50 Series II Thermometers



Fluke 54 II B



Fluke 51 II



Fluke 52 II



Fluke 53 II B



## 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
- Fluke 52 II Thermometer
- Fluke 53 II B Thermometer
- Fluke 54 II B Thermometer
- VVF-SC2 FlukeView Forms Software including USB 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® PC software

## Features

	51 II	52 II	53 II B	54 II B
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
K-type Thermocouples	-200°C to 1372°C
T-type Thermocouples	-250°C to 400°C
E-type Thermocouples	-150°C to 1000°C
N-type** Thermocouples	-200°C to 1300°C
R** and S-type** Thermocouples	0°C to 1767°C
Temperature accuracy	
<b>Above -100°C (-148°F):</b>	
J, K, T, E, and N-type**	± [ 0.05% + 0.3°C ]
R** and S-type**	± [ 0.05% + 0.4°C ]
<b>Below -100°C (-148°F):</b>	
J, K, E, and N-types	± [ 0.20% + 0.3°C ]
T-type	± [ 0.50% + 0.3°C ]

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

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

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

## Recommended Accessories



C25  
See page 130



80PK-26  
See page 128



80PK-25  
See page 128



VVF-SC 2  
See page 132



TPAK  
See page 132