

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
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Fluke 53 II B Thermometer
Fluke 54 II B Thermometer
FVF-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 T₁, T₂ (52 and 54 only), T₁-T₂ (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 ₁ -T ₂) 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	
Above -100°C (-148°F):	
J, K, T, E, and N-type**	± [0.05% + 0.3°C]
R** and S-type**	± [0.05% + 0.4°C]
Below -100°C (-148°F):	
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

FVF-SC 2
See page 132

TPAK
See page 132