50 Series II Thermometers

Fluke 54 II

Fluke 51 II

Fluke 52 II

Fluke 53 II

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_1, T_2 (52 and 54 only), T_1–T_2 (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_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	(-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

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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FVF-SC1	FlukeView Forms Software including interface cable

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