

1523 and 1524 Reference Thermometers

FLUKE®



Fluke 1524

Fluke 1523

Note: The 1523/24 are pictured with probes connected which may be purchased separately.

Included Accessories

NIST traceable certificate of calibration, users guide, CD-ROM (contains technical manual), 12 V dc universal power supply, RS-232 cable, 9940 I/O ToolKit software

Ordering Information

Fluke 1523* Reference Thermometer
 Fluke 1524* Reference Thermometer
 Fluke 1523-P1 Reference Thermometer, PRT(-200 °C to 420 °C, 6.35 mm x 298 mm), Universal Thermocouple Adapter, TPAK, and Case
 Fluke 1524-P1 Reference Thermometer, PRT(-200 °C to 420 °C, 6.35 mm x 298 mm), Universal Thermocouple Adapter, TPAK, and Case

* Requires an optional probe

Optional Accessories

2384-P INFO-CON Connector, PRT (Gray Cap), Spare
 2384-T INFO-CON Connector, Thermocouple (Blue Cap), Spare
 2373-LPRT RTD Adapter, Lemo to Mini Grabbers (4-wire)

Optional probes:

5616-12-P PRT, 6.35 mm x 298 mm, -200 °C to 420 °C
 5615-9-P PRT, 4.76 mm x 229 mm, -200 °C to 420 °C
 5610-9-P Thermistor, 3.2 mm x 229 mm, 0 °C to 100 °C

A new standard in accuracy and versatility.

Measure, graph and record three sensor types with one tool. The Fluke 1523/24 Reference Thermometer deliver high accuracy, wide measurement range, logging, and trending, all in a handheld tool you can take anywhere. For top accuracy, a memory chip inside the probe connector feeds probe calibration information to the readout. In addition, any thermocouple with a mini-thermocouple connector can be read using the optional universal thermocouple adapter. Choose the 1523 for single channel or the 1524 for dual channel measurement.

Three sensor types

- PRTs: -200 °C to 1000 °C
- Thermocouples -200 °C to 2315 °C
- Precision thermistors: -50 °C to 150 °C

High accuracy

- PRTs: ±0.011 °C
- Thermocouples: ±0.24 °C for J,K,L,M
- Precision thermistors: ±0.002 °C

Fast measurement

- PRTs: up to 0.45 seconds/sample
- Thermocouples: up to 0.3 seconds/sample
- Precision thermistors: up to 0.3 seconds/sample

Two models

- 1523: Single channel standard model; memory for 25 readings & statistics
- 1524: Two channels; memory for 25 readings and statistics plus logging 15,000 measurements; real-time clock for time and date stamps

Features

	1523	1524
Sensor Types	PRT & RTD, Thermistor, and Thermocouple	
Thermocouple Types	B,C,E,J,K,L,M,N,R,S,T,U	
Number of inputs	Single	Dual
Data trending (graphing)	●	●
Graphical display with backlight	●	●
Min/Max/Avg/Standard deviation recording	●	●
High speed measurement	●	●
RS-232 PC communications	●	●
T1-T2 True differential		●
Data logging up to 15,000 points		●
Time and date stamp		●

Specifications

(Check the Fluke web for detailed specifications)

Temperature range	
Thermocouple	-200 °C to 2315 °C
PRT & RTD	-200 °C to 1000 °C
Thermistor	-50 °C to 150 °C
Resolution and best accuracy	
Thermocouple	0.01 °, ±0.24 °C
PRT & RTD	0.001 °, ±0.011 °C
Thermistor	0.001 °, ±0.002 °C
Operating temperature	-10 °C to 60 °C
Storage temperature	-20 °C to 70 °C

Battery life (alkaline): 20 hours
Power supply: Universal 12 Vdc
Size (HxWxD): 200 x 96 x 47 mm
Weight: 0.65 kg
Warranty: 1 year

Recommended Accessories

