

1521 and 1522 Handheld Thermometers

Highest precision available in a battery-powered, handheld thermometer



These handheld thermometers feature measurement accuracy to $\pm 0.005\text{ }^{\circ}\text{C}$ and $0.001\text{ }^{\circ}\text{C}$ resolution.

They accept inputs from RTDs or thermistors and with Hart's INFO-CON connector, there's no need to program probe coefficients into the meter. All data is stored in the INFO-CON and conveniently downloaded when connected to the 1521 and 1522. The 1522 is also a data logger. Log up to 10,000 readings. Download logged data via RS-232 with Hart's 9934 LogWare software.

Ordering Information

Models

1521-256 Thermometer, Handheld, 1 Channel, 220 V

1522-256 Thermometer, Handheld, 1 Channel Data Logger, 220 V

Options & Accessories

2370 Spare RS-232 cable

2371 Spare INFO-CON adapter

2374 IR Dongle

2601 Probe carrying case

2521 Battery pack 1521/1522

2361-256 Spare AC adapter, 12V

9321 Soft carrying case

9318, Hard carrying case, fits

1521/1522 and probe

Software

9934-S, LogWare 1-channel, Single-User Software

9934-M LogWare, Single Channel, Multi-User

Probes

See page 9 for optional probes.

Summary specifications 1521 and 1522

Sensor type	Pt 25 to Pt 100	Thermistor
Temperature range	-200 °C to 962 °C	-50 °C to 150 °C
Resistance range	0 Ω to 400 Ω	0 Ω to 500 K Ω
Temperature accuracy (meter only)	-200 °C to 100 °C: $\pm 0.025\text{ }^{\circ}\text{C}$ 100 °C to 400 °C: $\pm 0.05\text{ }^{\circ}\text{C}$ 400 °C to 800 °C: $\pm 0.1\text{ }^{\circ}\text{C}$ 800 °C to 962 °C: $\pm 0.15\text{ }^{\circ}\text{C}$	0 °C to 50 °C: $\pm 0.005\text{ }^{\circ}\text{C}$ 50 °C to 75 °C: $\pm 0.01\text{ }^{\circ}\text{C}$ 75 °C to 100 °C: $\pm 0.02\text{ }^{\circ}\text{C}$
Excitation current	0.5 mA	5 μA
Operating range	0 °C to 40 °C	
Memory	1521 - Stores 6 readings in "Hold" mode 1522 - Logs 10,000 readings in "Auto Logging" mode, 100 readings in "Demand Logging" mode	
Power	Rechargeable nickel-metal-hydrate batteries (ac adapter included)	
Size H x W x D	197 x 107 x 38 mm	
Weight	0.4 kg	
Calibration	10-point, NIST-traceable, NVLAP-accredited resistance calibration provided	