



FIBER OPTIC
THERMOMETER

FOTEMP HANDHELD

Key Features

- Portable
- Rechargeable battery operated
- Measuring range - 200 °C to + 300 °C
- Standard deviation 0.2 K
- Large LCD-Display
- USB interface
- Temperatur and spectrum logging

Applications

- EMI, RFI and microwave environments
- High voltage environments
- Process monitoring
- Medical applications (MRT)



WEIDMANN

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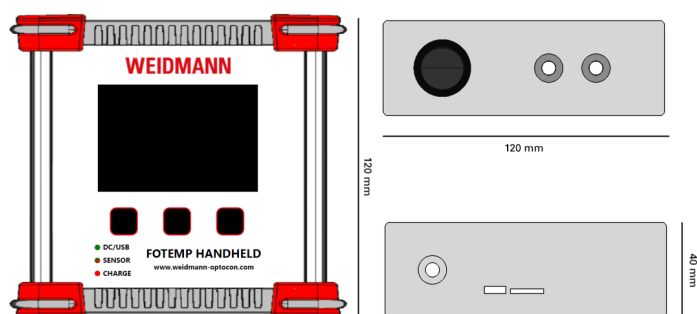
DESCRIPTION

The FOTEMP HANDHELD is a mobile fiber optic thermometer which is a compact, user-friendly, and easy to operate instrument for many fields of application. Battery operated for maximum flexibility, the user can move easily from one measurement point to the next. The battery of the handset offers continuous operation for at least 5 hours of electricity and can additionally be loaded with a power supply or USB.

The FOTEMP HANDHELD features a large LCD display and comes with an USB communication port for real-time data acquisition. It can be controlled and monitored directly using the front-panel keypad or using the FOTEMP ASSISTANT 2 software. Two installed LED show the battery charging status and a third LED the operational readiness of the connected sensor.

Temperatures can be measured in environment with high electromagnetic interference, or with the presence of high-power microwave fields. It can also be used in places where measurement with an electric temperature probe is not possible. With this device you are able to operate a comfortable and safe temperature measurement, even in difficult situations, with an overwhelming aggregated system accuracy of $\pm 0.2^{\circ}\text{C}$.

DIMENSION



TECHNICAL SPECIFICATION

Channel	1, 2
Modules	—
Measurement Range	-200 °C to 300 °C
Measuring Time * ¹	< 250 ms per Channel
Accuracy * ²	0.2 K
Resolution	0.1 K
Display	3.5" LCD
Analog	—
Relay	—
Data Logging	Continuous or timed temperature logging, spectrum snapshots
Protocols	ASCII
Interfaces	USB, Reference sensor
Power Supply	9 VDC / 1 A
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-20 °C to 70 °C
Dimension	120 x 112 x 40 mm
Weight	0,6 kg
Mounting Options	—
Connector Type	ST
Probes	Compatible with all Weidmann fiber optic temperature probes
Warranty	2 years

Depending on the measurement environment, several sensor designs are available with different ruggisation of the fiber tube, sensor tip and also customized sensors can be offered.

We are always anxious to adjust our offer to your special needs. In case of any further questions about individual measurement problems, lengths of sensors or connector types, please contact us.

*¹ Mean value. This value depends on the used sensor and its environmental temperature.

*² Statement only possible with a calibrated analysis unit.

DISCLAIMER – PLEASE READ CAREFULLY

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