

FIBER OPTIC TEMPERATURE MEASUREMENT SYSTEM

FOTEMP MINI 2

Key Features

- Easy OEM integration
- Small footprint
- Measuring range - 200 °C to + 300 °C
- Standard deviation 0.2 K
- RS232 / RS485, USB interface
- Temperature logging
- USB powering possible

Applications

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



WEIDMANN

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MEASUREMENT SYSTEM

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DESCRIPTION

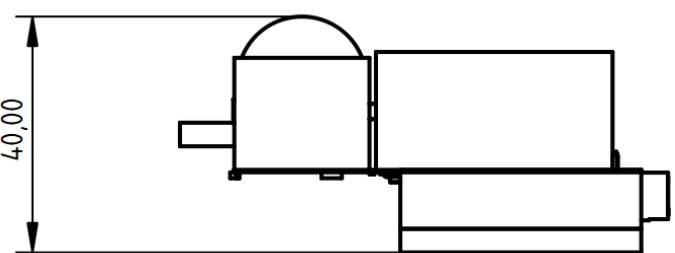
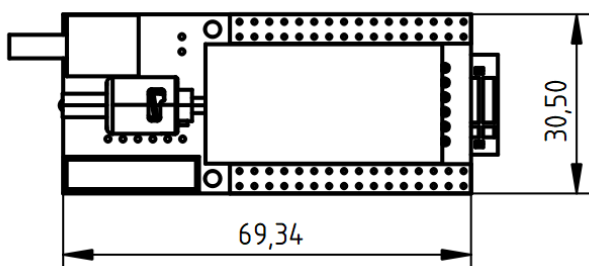
The FOTEMP MINI 2 fiber optic thermometer with its minimalist design is specifically intended for use in special customer projects. With fiber optical sensors, it is ideal for use in microwave, high-frequency, high voltage and magnetic field or aggressive environments, where measurements with metallic temperature sensors (RTC, TC, capillary,...) is not possible.

The FOTEMP MINI 2 contains the light source, the optical analyzer and the belonging electronic with several interfaces as RS232, RS485 or USB. These can be used with ASCII or Modbus for real-time data acquisition with or without our software FOTEMP ASSISTANT 2. The data can be logged both temporally and continuously on the SD card. The device can be operated both via an external power supply or directly via USB which makes only one connection to the device necessary.

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

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

DIMENSION



TECHNICAL SPECIFICATION

Channel	1
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	---
Analog	---
Relay	---
Data Logging	Continuous or timed logging on microSD
Protocols	ASCII, Modbus
Interfaces	RS232, RS485, USB
Power Supply	3,3 VDC / 350 mA or USB
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-20 °C to 70 °C
Dimension	70 x 31 x 40 mm
Weight	0,2 kg
Mounting Options	Mounting holes
Connector Type	ST
Probes	Compatible with all Weidmann fiber optic temperature probes
Warranty	2 years

*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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