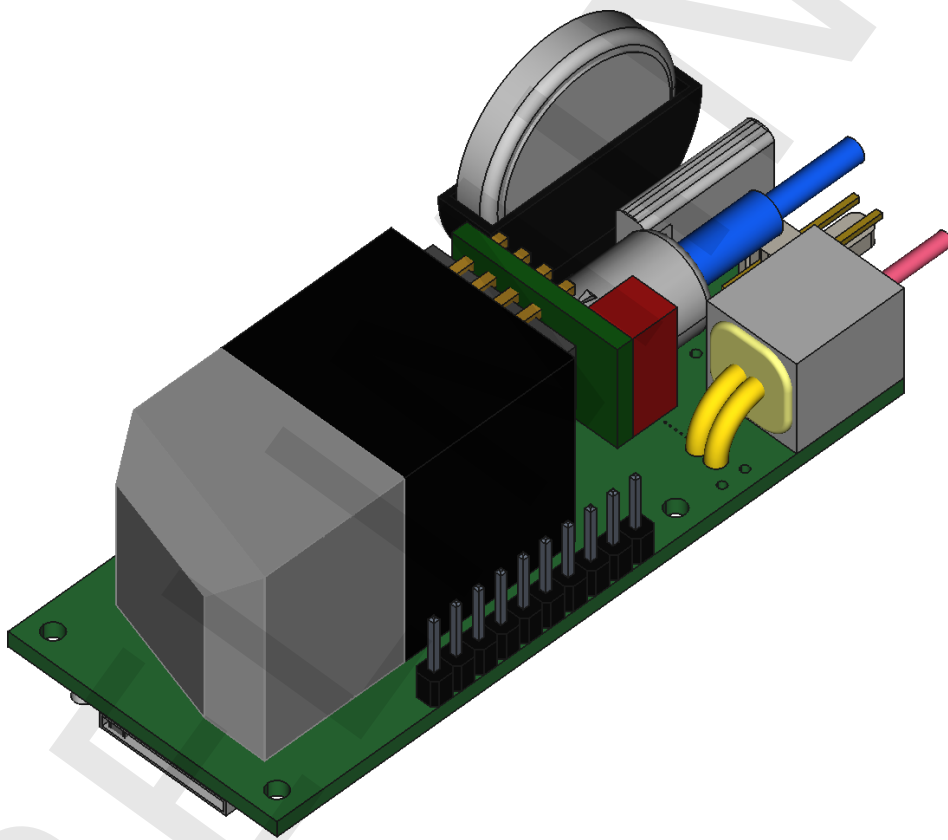


FIBER OPTIC TEMPERATURE MEASUREMENT SYSTEM

## FOTEMP MINI 3



### FEATURES

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

### APPLICATIONS

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

FIBER OPTIC TEMPERATURE  
MEASUREMENT SYSTEM

# FOTEMP MINI 3

## DESCRIPTION

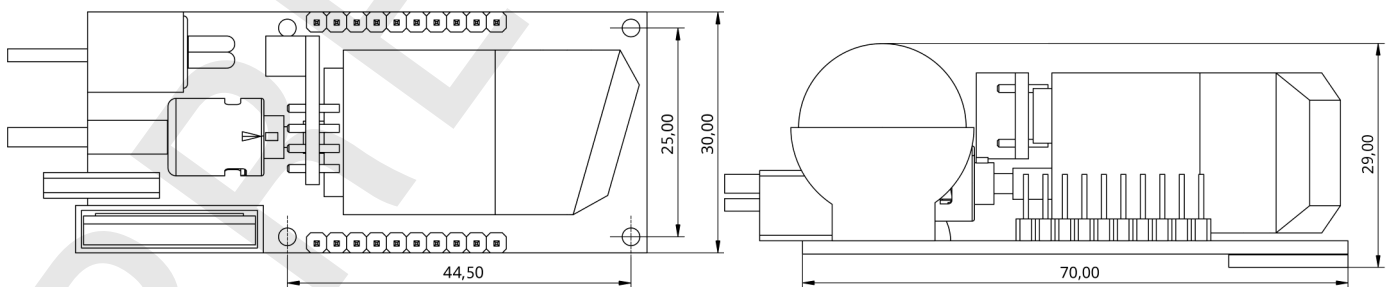
The FOTEMP MINI 3 with its minimalist design is specially intended for use in customer projects. With fiber optic sensors it is ideal for measuring temperatures in microwave, high frequency, high voltage and magnetic field environments or aggressive environments where the use of metallic sensors (RTC, TC, capillary, etc.) is not possible

The FOTEMP MINI 3 contains the light source, the optical analyser and the associated electronics with several interfaces such as RS232, RS485 or USB. These can be used with ASCII or Modbus for real-time data acquisition with or without our FOTEMP ASSISTANT 2 software. The data can be logged both continuously and timed on the SD card. The device can be operated via an external power supply or directly via USB, which means that only one connection to the device is required.

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.

## DIMENSIONS



\*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

This datasheet is based on Weidmann's knowledge as of the date of its publication. Instructions and explanations, while substantially accurate, are non-binding. Illustrations, specifications and average values are subject to change, do not guaranty actual product characteristics or specifications and are intended only to indicate possible uses of the Weidmann products. Customers alone must determine whether the products are suitable for their particular use and intended application and assume all risk and liability for unsafe or improper use or application. Weidmann shall not be liable for catalogue printing or other errors, for changes to Weidmann products or for any defects in the technical data or use of any information contained in the catalogue. Weidmann reserves the right always to revise the catalogue at any time, without notification. No part of this catalogue can form any part of or amend or alter any provision of any contract with respect to the Weidmann products. With respect to products in this catalogue, Weidmann disclaims all warranties, express or implied, including but not limited to, implied warranties of merchantability and fitness for a particular purpose. Weidmann shall not be liable for direct, indirect, special, incidental or consequential damages arising out of the purchase or use of products in this datasheet.

## TECHNICAL SPECIFICATIONS

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	TTL, RS232, RS485, USB
Power Supply	USB-Powered (Standard) 9-24VDC / 350 mA (Optional)
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-20 °C to 70 °C
Dimension	70 x 30 x 29 mm
Weight	0,2 kg
Mounting Options	Mounting holes
Connector Type	ST
Probes	Compatible with all Weidmann fiber optic temperature probes
Warranty	2 years