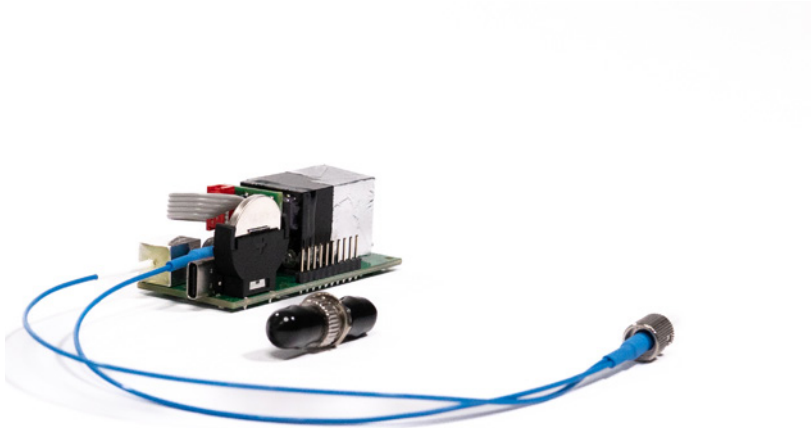


FOTEMP MN30

for embedded instrument applications



The FOTEMP MN30, is a sleek, minimalist solution for customer projects.

Our advanced fiber optic sensors excel in measuring temperatures in challenging environments—such as microwaves, high frequencies, high voltages, and magnetic fields—where traditional metallic sensors cannot be used.

The FOTEMP MN30 combines a powerful light source, an optical analyzer, and electronics. With multiple interfaces, including RS232, RS485, and USB, it supports real-time data acquisition through ASCII or Modbus protocols.

Data can be logged continuously and time-stamped on an SD card for easy access. The device requires only one connection, and it has versatile power options—external supply or USB.

Additionally, the “FOTEMP Assistant” software is available for directly controlling and monitoring the device, and the communication protocol is provided for software development.

Why buy?

- Small footprint
- Easy OEM integration
- USB powering possible

Application

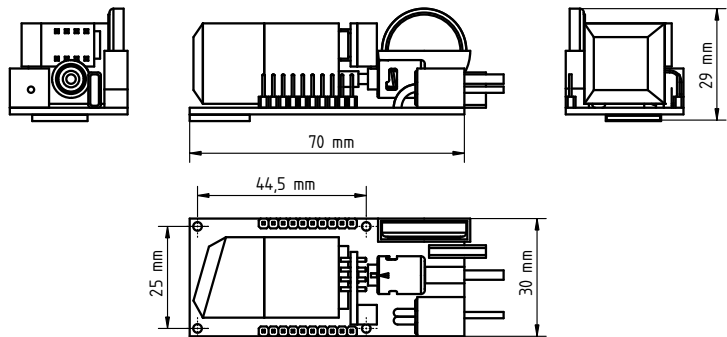
- EMI, RFI and microwave environments
- High voltage environments
- Process monitoring
- Medical applications (MRT)

TECHNICAL FEATURES AT A GLANCE

FOTEMP MN30	
Channel	1 or 2
Display	Not available
Analog output	Not available
Data logging	Continuous, and timed logging on microSD
Communication protocols	ASCII, Modbus RTU
Interfaces	TTL, RS232, RS485, USB
Relay	NO
Power supply	USB-Powered (Standard) or 9-24 VDC
Environment	
Operating temperature	-20°C to 60°C
Storage temperature	-20°C to 70°C
Probes	Compatible with all COMEM fiber optic temperature probes
Fiber optic core	200 um
Connector type	ST
Mounting options	None
Measurement	
Measurement range	-200°C to 300°C
Measuring Time	< 250 ms per Channel
Accuracy	0.2 K
Resolution	0.1 K

DIMENSIONS

FOTEMP MN30



Width (mm)	Height (mm)	Depth (mm)	Weight (Kg)
30	29	70	0.2

ORDERING CODE

Stock Versions:
FOTEMP-MN30-1-P0-B

FOTEMP-MN30-x-Py-z

where
x= # of Channels, 1 or 2
y= P0=USB-C (Power & Communications)
P1=ExtPwr/USB/RS232/RS485/TTL-UART
z= Calibration Option:., A1, A2, B, or C
A1= -20C to +150C, A2= -40C to +200C
B= -40C to +300C, C= -200C to +300C

www.comem.com

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