

FOTEMP HD20

portable device for onsite testing



The FOTEMP HD20 is a compact, mobile fiber optic thermometer designed for easy operation across various applications.

Battery power offers over 5 hours of continuous use and the option to connect to a power supply, which ensures flexibility during measurements.

This advanced device combines a light source, optical analyzer, and electronics into one unit. It features a large LCD for precise readings and a USB port for real-time data acquisition.

Users can control the thermometer through its front-panel keypad or the FOTEMP ASSISTANT 2 software. Built-in LEDs provide feedback on battery charging and sensor readiness.

Depending on the measurement environment, several sensor designs with different types of tubing, sensor tips, and customized sensors are available, contact us for more information.

Why buy?

Serviceability:

- Portable and rechargeable device
- Large LCD display for precise readings
- USB port for real-time data acquisition

Remote monitoring and control:

- Remote control signals through standard communication protocols

Application

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

TECHNICAL FEATURES AT A GLANCE

FOTEMP HD20

Channel	1, 2
Display	3.5" LCD
Analog output	Not available
Data logging	Continuous, and timed temperature logging, spectrum snapshots
Communication protocols	ASCII
Interfaces	USB
Relay	NO
Power supply	12 VDC

Environment

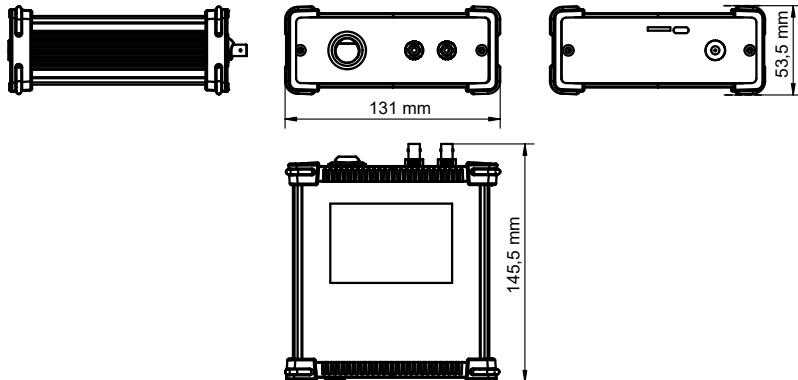
Operating temperature	-20°C to 60°C
Storage temperature	-20°C to 70°C
Probes	Compatible with all COMEM fiber optic temperature probes
Fiber optic core	200 um
Connector type	ST
Mounting options	None

Measurement

Measurement range	-200°C to 300°C
Measuring Time	< 250 ms per Channel
Accuracy	0.2 K
Resolution	0.1 K

DIMENSIONS

FOTEMP HD20



Width (mm)	Height (mm)	Depth (mm)	Weight (Kg)
131	145,5	53,5	0,6

www.comem.com

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FIBER OPTIC THERMOMETER

FOTEMP-HD20

Ordering Info

F O T E M P - H D 2 0 - 2 - B

No. of Channels

1 1 Channel
2 2 Channels

Calibration Options

A1 -20°C to +150°C
A2 -40°C to +200°C
B -40°C to +300°C
C -200°C to +300°C

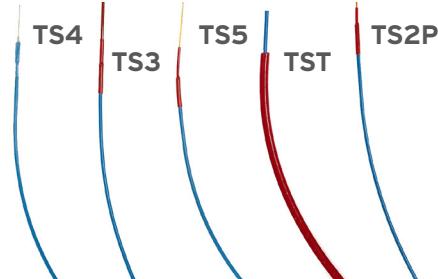
Standard stock FOTEM-HD20:

FOTEMP-HD20-1-B 1 Channel, USB+RS485, Calibrated -40°C to +300°C
FOTEMP-HD20-2-B 2 Channels, USB+RS485, Calibrated -40°C to +300°C
FOTEMP-HD20-2-C 2 Channels, USB+RS485, Calibrated -200°C to +300°C

Standard stock TS Temperature Probes:

TS2p-02 Smallest Form Factor, Bare Crystal, L=2m
TS3-15MM-02 General Purpose, Rigid Tip, L1=15mm, L=2m
TS3-15MM-05 General Purpose, Rigid Tip, L1=15mm, L=5m
TS4-02 For Harsh Chemicals and Radiation, L=2m
TS4-05 For Harsh Chemicals and Radiation, L=6m
TS5-20MM-02 For Medical, Small Profile, L1=20mm, L=2m
TS5-20MM-06 For Medical, Small Profile, L1=20mm, L=6m
TS5-50MM-02 For Medical, Small Profile, L1=50mm, L=2m
TS5-50MM-06 For Medical, Small Profile, L1=50mm, L=6m
TST-02 For Oil-Filled Transformers, L=2m

Custom lengths (L and L1) available upon request.



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sensors

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