The FOB100 Series comprises high-accuracy, multipurpose fiber optic thermometers with 1, 2, or 4 channels. They use an original algorithm to analyze incoming signals, measuring the temperature on each channel. The standard analog output is 0 to 10V; 4 to 20 mA is optional. Sensors are sold separately in various cable lengths (see To Order chart, next page), are interchangeable, and do not require calibration. With the optional FOB100-SOFT software for Windows® (see Accessories chart, next page), the user can download data to a PC via the RS232 communications port on the front panel. Software features include min/max alarm; full data logging functions; and bar-graph, trend-line, or statistics display. The FOB100’s rugged enclosure and immunity to EMI/RFI interference make it ideal for demanding industrial and laboratory applications.
Dimensions:
141.4 W x 64.0 H x 227.3 mm L
(5.57 x 2.52 x 8.95")

Weight: 1.2 kg (2.6 lb)

Probe Specifications
Temperature Range:
-80 to 250°C (-112 to 482°F); cryogenic range available (down to 5 Kelvins)
Resolution: 0.1°C (0.2°F)
Accuracy: ±1°C or 1% FS
Response Time: 250 ms or faster

FOB100 Series Thermometer Dimensions

To Order Visit omega.com/fob100 for Pricing and Details

Model No. | Description
--- | ---
FOB101 | 1-channel fiber optic benchtop thermometer
FOB102 | 2-channel fiber optic benchtop thermometer
FOB104 | 4-channel fiber optic benchtop thermometer

Model No. | Required Sensors
--- | ---
FOBS-2 | Sensor with 2 m (6.6') cable
FOBS-10 | Sensor with 10 m (33') cable
FOBS-20 | Sensor with 20 m (66') cable
FOBS-30 | Sensor with 30 m (98') cable

Note: For corrosive environments, add “-PTFE” to the model number for an additional cost.

Accessories

Model No. | Description
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FOB100-SOFT | Windows software
FOBS-CAB-(*) | Polyurethane, sensor extension cable, 2 m (6.6')

* Add number of meters. Each additional meter over 2 m, there will be an additional cost.
** Maximum available cable length is 30 m (98').
Comes complete with operator's manual, NIST certificate, and 100 to 240 Vac, 50/60 Hz AC adaptor.
To change the 0 to 10V output to a 4 to 20 mA output, add “-PV” to the model number, no additional cost.

Ordering Example: FOB101, 1-channel benchtop fiber optic thermometer, and FOBS-2, 2 m (6.6') cable temperature sensor.