D6 Labs™
Engineered IoT Solutions

WBP-TR-01-3F

8cm Thermistor Temperature Probe, 91cm Cable

General Description

Whisker.Blocks® are long-range, wireless sensors that come in a variety of I/O and power configurations. These sensor blocks use our proprietary long range wireless communication technology, ensuring reliable and robust operation. They come in a variety of configurations with multiple external channels for various analog and digital inputs.
This external sensor is designed to work with a Whisker.Block® that is configured with an external thermistor (TR) input. When properly mounted, this sensor can detect temperatures in the range of -40°C to +85°C.
The thermistor is contained within a 8cm stainless steel housing that can be used in air, food products, and most liquids. It is available with a 15cm and 91cm cable.
We offer other temperatures probe configurations that can be used in a variety of applications. The WBP-TR-02-xx is a 13cm version of this probe, the WBP-TR-03-xx is designed to be mounted in HVAC ducts, and finally the WBP-TR-04-xx is a lug mounted probe that can be used on equipment such as motors.

Power

Power for the sensor is provided by the Whisker.Block®.

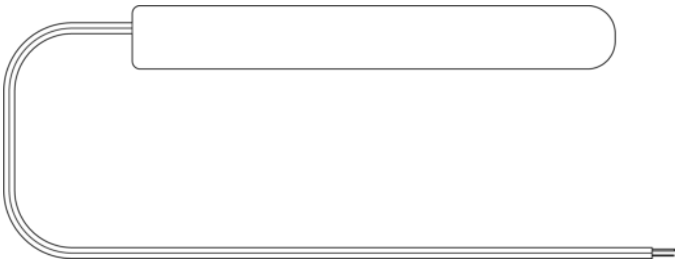
Mounting

The sensor is housed in a 6.1mm round by 8cm long stainless steel tube.
It should be mounted so that the bottom half the tube is fully submerged in the medium you are monitoring.
Take care not to crimp or otherwise damage the stainless steel tube as that might adversely affect proper operation or might shorten the operating life of the sensor.

Compatible Whisker.Blocks®

Part Number
WB1-9-00-DCTRNNNN-0000-LR
WB1-9-00-DCTRTRNN-0000-LR
WB1-9-00-C1TRTRNN-0000-LR
WB1-9-00-C2TRTRNN-0000-LR
WB1-9-00-C3TRTRNN-0000-LR
WB1-9-00-C4TRTRNN-0000-LR

Wiring



Recommended Wiring:

Connector	Pin	Sensor Wire	Description
1	1	Red	Sensor power supply
1	2 or 3	Blue/Black	Thermister output

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