Yocto-MaxiThermistor

Environmental Sensors

The Yocto-MaxiThermistor is a USB interface for NTC and PTC thermistors. It can measure up to six temperature points. Each of the six channels can be configured independently thanks to tables or reference temperatures and β coefficients. The Yocto-MaxiThermistor is an insulated device: there is an electric insulation between the sensor part and the USB part.

The Yocto-MaxiThermistor is shipped with six tiny NTC thermistors connected to a 10 centimeter wire. You can extend them with any regular electric wire.
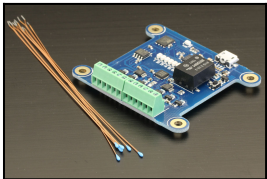
The six channel terminal block allows the use of 30-18 AWG wire. If you need to use bigger wire, choose the Yocto-Thermistor-C.

The Yocto-MaxiThermistor can also be used as a multichannel ohm-meter.

Specifications

Product ID	THRMSTR2
USB connector	micro-B
Width	58 mm
Length	50 mm
Weight	14 g
Channels	6
Refresh rate	1 Hz
Measuring range	100Ω...500KΩ
Accuracy (Ω) between 1KΩ...10KΩ	~0.1 %
Accuracy, typical (Ω)	1 %
IEC protection class	class III
USB insulation, dielectric strength (1 min.)	1.5 kV
Normal operating temperature	5...40 °C
Extended operating temperature[‡]	-30...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x0051
Suggested enclosure	YoctoBox-MaxiIO-Transp
Harmonized tariff code	8542.3190
Made in	Switzerland

[‡] The extended temperature range is defined based on components specifications and has been tested during a limited duration (1h). When using the device in harsh environments for a long period of time, we strongly advise to run extensive tests before going to production.

For more information: www.yoctopuce.com/EN/products/yocto-maxithermistor