

# TM311-TLX2/0 Cut Sheet



Endress+Hauser iTHERM temperature sensor/transmitter, Pt100 RTD, M12 probe, 0 to 150 deg C, 150mm insertion length, 6mm probe diameter, 1-1/2in sanitary tri-clamp process connection, Output: 1-channel, current/IO-Link, 4-pin M12 quick-disconnect.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/TM311-TLX2/0>

## Technical Specifications

<b>Brand</b>	Endress+Hauser	<b>Output Current Signal Range</b>	4-20 mA
<b>Item</b>	Temperature sensor/transmitter	<b>Operating Voltage</b>	15-30 VDC
<b>Series</b>	ITHERM	<b>Electrical Connection</b>	4-pin M12 quick-disconnect
<b>Sensor Element</b>	Pt100 RTD	<b>Temperature Sensing Range</b>	0 to 150 deg C
<b>Sensor Type</b>	M12 probe	<b>Communication Port and Connection Type(s)</b>	(1) 4-pin M12 A-coded (IO-Link) port(s)
<b>Media Type</b>	Liquid, water, oil, chemicals, gases and air	<b>Port Protocol(s)</b>	IO-Link Class A Device
<b>Accuracy</b>	Class A accuracy	<b>Port Speed(s)</b>	IO-Link COM2
<b>Insertion Length</b>	150mm	<b>IO-Link Version</b>	IO-Link SSP Ed.2 v1.1
<b>Probe Diameter</b>	6mm	<b>Standard I/O Mode Supported</b>	Yes
<b>Sheath Material</b>	316L stainless steel	<b>IP Rating</b>	IP66, IP67 and IP69
<b>Process Connection</b>	1-1/2in sanitary tri-clamp	<b>Additional Information</b>	Purchase cable separately
<b>Number Of Output Channels</b>	1	<b>Manufacturer Part Number</b>	TM311-CAC0BD2BBX1A1+LB
<b>Output</b>	Current/IO-Link		

## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	200600
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>