

# TM311-TLT0/0 Cut Sheet



Endress+Hauser iTHERM temperature sensor/transmitter, Pt100 RTD, M12 probe, 0 to 150 deg C, 150mm insertion length, 6mm probe diameter, 1/2in male NPT 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-TLT0/0>

## Technical Specifications

|                                  |  |
|----------------------------------|--|
| <b>Brand</b>                     | Endress+Hauser                               |
| <b>Item</b>                      | Temperature sensor/transmitter               |
| <b>Series</b>                    | ITHERM                                       |
| <b>Sensor Element</b>            | Pt100 RTD                                    |
| <b>Sensor Type</b>               | M12 probe                                    |
| <b>Media Type</b>                | Liquid, water, oil, chemicals, gases and air |
| <b>Accuracy</b>                  | Class A accuracy                             |
| <b>Insertion Length</b>          | 150mm  |
| <b>Probe Diameter</b>            | 6mm  |
| <b>Sheath Material</b>           | 316L stainless steel                         |
| <b>Process Connection</b>        | 1/2in male NPT                               |
| <b>Number Of Output Channels</b> | 1  |
| <b>Output</b>                    | Current/IO-Link                              |

|  |   |
|--|---|
| <b>Output Current Signal Range</b>               | 4-20 mA                                 |
| <b>Operating Voltage</b>                         | 15-30 VDC                               |
| <b>Electrical Connection</b>                     | 4-pin M12 quick-disconnect              |
| <b>Temperature Sensing Range</b>                 | 0 to 150 deg C                          |
| <b>Communication Port and Connection Type(s)</b> | (1) 4-pin M12 A-coded (IO-Link) port(s) |
| <b>Port Protocol(s)</b>                          | IO-Link Class A Device                  |
| <b>Port Speed(s)</b>                             | IO-Link COM2                            |
| <b>IO-Link Version</b>                           | IO-Link SSP Ed.2 v1.1                   |
| <b>Standard I/O Mode Supported</b>               | Yes                                     |
| <b>IP Rating</b>                                 | IP66, IP67 and IP69                     |
| <b>Additional Information</b>                    | Purchase cable separately               |
| <b>Manufacturer Part Number</b>                  | TM311-CAC0BG6BBX1A1                     |

## 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> |