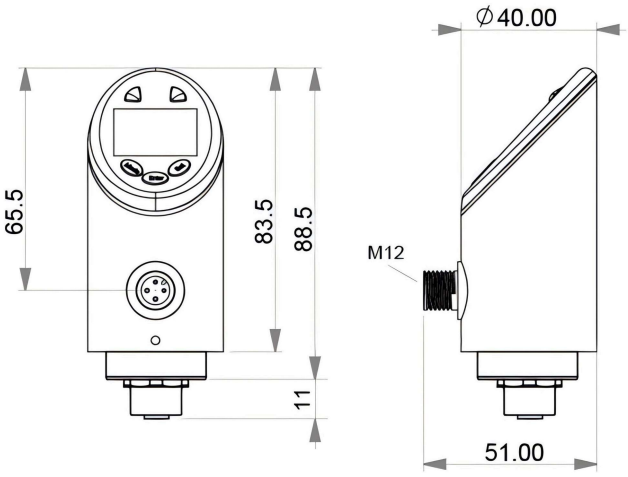
IO-Link Sensor

TBH-12M-LI6D-SC

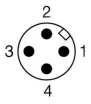
Split type temperature sensor with display



- IO-Link Smart temperature Sensor
- 4-digit large digital tube display, mirroring, semi-transparent design
- Normally open/normally closed,PNP/NPN/push-pull,hysteresis/window configurable
- Switching signal/analog signal,switching signal/IO-Link can be set
- The display panel adopts an integrated housing
- The main body of the housing is 304 stainless steel
- The interface is M12 A code 4-pin
- Key lock function, simple key menu operation
- Sensor parameters can be set via buttons and IO-Link
- The starting and ending points of the analog signal can be set

Model	TBH-12M-LI6D-SC
Operating voltage	24VDC ± 10%
Operating current	< 100mA
Temperature parameters	
Measuring range	-50℃-500℃(-58℉-932℉)
Interface type	M12 A code 4 pins
Measuring element	PT1000
Temperature measurement accuracy	0.5℃
Output parameters	
OUT1 Signal	Switching signal or IO-Link（automatic wake-up）
OUT2 Signal	Switching signal or 4-20mA or 20-4mA
Switching signal output type	NPN/PNP/Push-Pull, NO/NC, Hysteresis/Window programmable
Switching signal output current	250mA
Switch point SP setting range	-49.8℃-500℃
Release point rP setting range	-50℃-499.8℃
Switching signal output resolution	0.1℃
Analog signal output maximum load	500Ω
Analog signal output accuracy	0.5%F.S
Minimum interval between analog start and end points	10℃
IO-Link	
Vendor ID	1317 (0x0525)
Device ID	198417 (0x030711)
Number of interfaces	1
IO-Link protocol version	V1.1
IO-Link input bytes	2 bytes (16Bit)
Frame type	TYPE_2_2
Transmission rate	COM2 38.4kbit/s
Minimum cycle time	2400 us
ISDU(Indexing Service)	Support
Block parameter operations	Not support
Data storage(DS)	Not support
Operating temperature	-40-80℃
Protection class	IP65

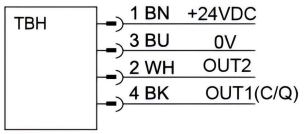
IO-Link M12 interface



1 = +24VDC
2 = OUT2
3 = 0V
4 = OUT1(C/Q)

Note: OUT1: switching signal or IO-Link
OUT2: switching signal or analog signal

Wiring diagram



Probe interface

