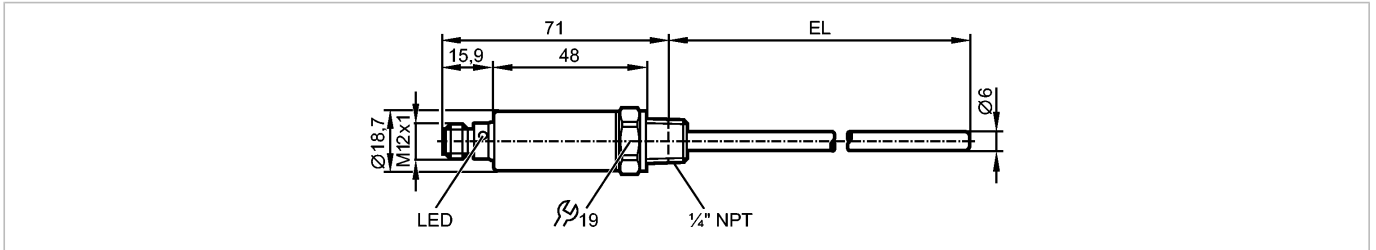




TA150FLEN14-A-ZVG/US

Temperature sensors



Product characteristics  
Temperature transmitter

Connector

Process connection: 1/4" NPT

Installation length EL: 150 mm

Analogue output 4...20 mA

Measuring range: -58...302 °F

Measuring element: 1 x Pt 1000, to DIN EN 60751, class A

Factory setting: 0...300 °F

Application

Application

liquids and gases

Pressure rating [bar]

160; only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply

Electrical data

Electrical design

DC

Operating voltage [V]

18...32 DC; "supply class 2" to cULus.

Current consumption [mA]

< 50

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

4...20 mA analogue

Short-circuit protection

yes

Overload protection

yes

Analogue output

4...20 mA

Max. load [Ω]

250 (18...19 V); 300 (19...32 V)

Measuring / setting range

Measuring range °F

-58...302

Factory setting

0...300 °F

Resolution

Analogue output [K]

≤ 0.04

Accuracy / deviations

Analogue output [K]

± 0.3 + (± 0.1 % MS)

Temperature coefficients (in % of the span per 10 K)

0.1

Reaction times

Power-on delay time [s]

1

Dynamic response T05 / T09 [s]

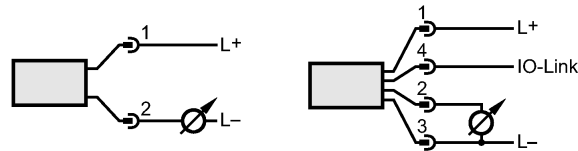
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# TA2643 - Temperature transmitter - eclass: 27200208 / 27-20-02-08

## Interfaces

IO-Link device	
Transfer type	COM2 (38.4 kBaud)
IO-Link revision	1.1
Environment	
Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 67 / IP 68 / IP 69K
Tests / approvals	
EMC	DIN EN 61000-6-2
Shock resistance	DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6: 20 g (10...2000 Hz)
MTTF [Years]	572
UL approval number	K002
Mechanical data	
Process connection	1/4" NPT
Materials (wetted parts)	stainless steel 316L / 1.4404; O-ring: FKM
Probe diameter [mm]	6
Installation length EL [mm]	150
Housing materials	stainless steel 316L / 1.4404; PEI; FKM
Weight [kg]	0.109
Displays / operating elements	
Display	Operating status 1 x LED green
Electrical connection	
Connection	M12 connector; Gold-plated contacts

## Wiring



## Remarks

Remarks	MS = set measuring span
Pack quantity [piece]	1