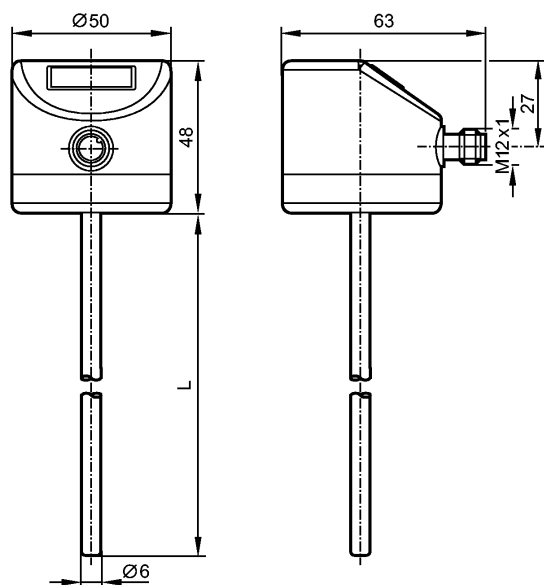


TD2237

TD-100CFED06-A-ZVG/US

Temperature sensors



L = 100 mm



Made in USA

Product characteristics

Temperature Transmitter with Display

Process connection: Ø 6 mm

Installation length: 100 mm

Analogue output

Measuring range: -50...150 °C / -58...302 °F

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

Application

Application liquids and gases

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	Analogue output
Short-circuit protection	yes
Overload protection	yes
Analogue output	4...20 mA
Max. load [Ω]	300

Measuring / setting range

Measuring range [°C/°F]	-50...150 / -58...302
Factory setting	0...100 °C
Resolution	
Analogue output [K]	≤ 0.04
Display [K]	0.1

Accuracy / deviations

TD2237

TD-100CFED06-A-ZVG/US

Temperature sensors

Analogue output [K]	$\pm 0.3 + (\pm 0.1 \% \text{ MS})$
Temperature coefficients (in % of the span per 10 K)	0.1

Reaction times

Power-on delay time [s]	2
Dynamic response T05 / T09 [s]	1 / 3

Interfaces

IO-Link Device	
Transfer type	COM2 (38.4 kBaud)
IO-Link revision	1.1

Environment

Pressure rating [bar]	-1...160
Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 67 / IP 68 / IP 69K

Tests / approvals

EMC	DIN EN 61000-4-2 ESD: 4 kV CD / 8 kV AD DIN EN 61000-4-3 HF radiated: 10 V/m DIN EN 61000-4-4 Burst: 2 kV DIN EN 61000-4-5 Surge: 0.5 / 1 kV DIN EN 61000-4-6 HF conducted: 10 V
Shock resistance	DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6: 10 g (10...2000 Hz)
UL approval number	K001

Mechanical data

Process connection	Ø 6 mm
Materials (wetted parts)	stainless steel 316L / 1.4404; surface characteristics Ra: < 0.6
Probe diameter [mm]	6
Probe length L [mm]	100
Installation length [mm]	100
Housing materials	housing: stainless steel 316L / 1.4404

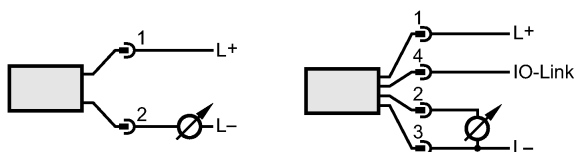
Displays / operating elements

Display	7-segment LED display (4 digits) Display unit / status °C / °F
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Electrical connection

Connection	M12 connector
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Wiring



Remarks

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



TD2237

TD-100CFED06-A-ZVG/US

Temperature sensors