



ELEKTRONISK TEMPERATURMONITOR MED DISPLAY OG SENSORFUNKTION

Serie TSD-30

TSD30-45719444
M12x1 4-pin -20-80°C 25mm PNP G1/2"

- IO-Link
- Let at læse, robust design med display
- Måleområde -20 til 150°C
- Udgangssignal 4-20mA eller 0-10V
- 2 x PNP eller 1 x PNP



PRODUKTBESKRIVELSE

Serie TSD-30 med sit robuste LED-display, er udviklet med 9 mm høje karakterer og en lille vipning af huset, så du nemt kan aflæse temperaturen på lang afstand. Funktionen med 3 knapper gør måleren nem at håndtere og navigere. Menuen er designet efter VDMA-standarden.

Installationen af TSD-30 serien er fleksibel og kan tilpasses hver enkelt applikation. Displayet kan drejes op til 300° uden at påvirke den elektriske forbindelse.

Med ethvert udgangssignal i overensstemmelse med IO-Link muliggør TSD-30 hurtig integration i moderne automationssystemer. IO-Link tilbyder en meget hurtig installation, parametring og højere funktionalitet.

SPECIFIKATIONER

Elektrisk tilslutning	M12x1
Forsyningsspænding DC max	35 V DC
Forsyningsspænding DC min	15 V DC
Indstikslængde	25 mm
Materiale hus	Rustfrit stål
Materiale medieberørte del	Rustfrit stål
Medietemperatur fra	-20 °C
Medietemperatur til	80 °C
Omgivelsestemperatur fra	-20 °C
Omgivelsestemperatur til	80 °C
Plug diameter	6 mm
Tilslutning	G1/2

Output signal

Selectable versions			
	Switching output		Analogue signal
	SP1	SP2	
Option 1	PNP	-	4 ... 20 mA (3-wire)
Option 2	PNP	-	DC 0 ... 10 V (3-wire)
Option 3	PNP	PNP	-
Option 4	PNP	PNP	4 ... 20 mA (3-wire)
Option 5	PNP	PNP	DC 0 ... 10 V (3-wire)

Probe length (F)

Mounting thread

Tapered thread

Parallel thread

F						
mm	25	50	100	150	250	350
in	0.98	1.97	3.94	5.91	9.84	13.8

Compression fitting

The image displays two technical diagrams of compression fittings. The left diagram is labeled 'Parallel thread' and the right is labeled 'Tapered thread'. Both diagrams show a side view of a fitting assembly consisting of a nut, a sleeve, and a plug. Dimension lines indicate the following measurements:

- F**: The total length of the fitting assembly.
- F-55**: The length of the sleeve component.

Double-headed vertical arrows are placed next to the dimension lines for F and F-55 to indicate the measurement direction.

F				
mm	100	150	250	350
in	3.94	5.91	9.84	13.8

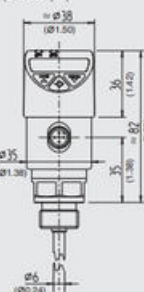
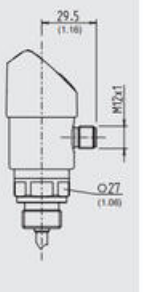
Circular connector M12 x 1 (4-pin)

	U+	1
	U-	3
	S+	2
	SP1 / C	4
	SP2	2

Circular connector M12 x 1 (5-pin)

	U+	1
	U-	3
	S+	5
	SP1 / C	4
	SP2	2

Dimensions in mm (inch)

Temperature switch with circular connector M12 x 1 (4- and 5-pin)	
	
Weight: approx. 0.3 kg [10.58 oz.]	

G1	L1	G1	L1
G 1/4 A	12 [0.47]	1/4 NPT	13 [0.51]
G 1/2 A	14 [0.55]	1/2 NPT	19 [0.75]

Compression fittings

G1	L1	L2	SW	G1	L1	L2	SW
G 1/4 A	40 [1.57]	12 [0.47]	19 [0.75]	1/4 NPT	41 [1.61]	15.1 [0.59]	17 [0.67]
G 1/2 A	44 [1.73]	14 [0.55]	27 [1.06]	1/2 NPT	41 [1.61]	19.7 [0.78]	32 [0.87]

Output signal

Selectable versions			
	Switching output		Analogue signal
	SP1	SP2	
Option 1	PNP	-	4 ... 20 mA (3-wire)
Option 2	PNP	-	DC 0 ... 10 V (3-wire)
Option 3	PNP	PNP	-
Option 4	PNP	PNP	4 ... 20 mA (3-wire)
Option 5	PNP	PNP	DC 0 ... 10 V (3-wire)

Probe length (F)

Mounting thread

Tapered thread

Parallel thread

F

mm	25	50	100	150	250	350
in	0.98	1.97	3.94	5.91	9.84	13.8

Compression fitting

The image displays two technical diagrams of compression fittings. The left diagram is labeled 'Parallel thread' and the right is labeled 'Tapered thread'. Both diagrams show a side view of the fitting assembly, including a nut, a ferrule, and a pipe. Dimension lines indicate the following measurements:

- 55**: The length of the ferrule.
- f**: The thickness of the nut.
- F-55**: The total length of the assembly, which is the sum of the ferrule length (55) and the nut thickness (f).

Vertical double-headed arrows are placed to the left of each diagram to indicate the direction of measurement.

F				
mm	100	150	250	350
in	3.94	5.91	9.84	13.8

Circular connector M12 x 1 (4-pin)

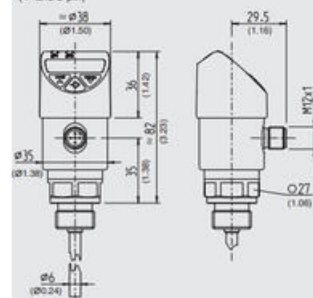
U+	1
U-	3
S+	2
SP1 / C	4
SP2	2

Circular connector M12 x 1 (5-pin)

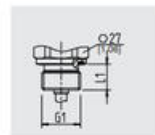
U+	1
U-	3
S+	5
SP1 / C	4
SP2	2

Dimensions in mm (inch)

Temperature switch with circular connector M12 x 1
(4- and 5-pin)



Weight: approx. 0.3 kg [10.58 oz.]

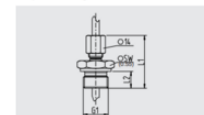


G1	L1
G 1/4 A	12 [0.47]
G 1/2 A	14 [0.55]

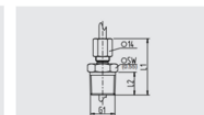


G1	L1
1/4 NPT	13 [0.51]
1/2 NPT	19 [0.75]

Compression fittings



G1	L1	L2	SW
G 1/4 A	40 [1.57]	12 [0.47]	19 [0.75]
G 1/2 A	44 [1.73]	14 [0.55]	27 [1.06]



G1	L1	L2	SW
1/4 NPT	41 [1.61]	13 [0.51]	17 [0.67]
1/2 NPT	41 [1.61]	19.7 [0.78]	22 [0.87]