

DPI/DPI+T

2-IN-1 DIFFERENTIAL PRESSURE AND
TEMPERATURE TRANSMITTER



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GRUNDFOS 

The compact differential pressure sensor (DPI) encompasses the difference in pressure between two measurement ports.

The differential pressure transmitter (DPI) from Grundfos Direct Sensors™ combines pressure and temperature in a 2-in-1 solution. Silicoat coating technology provides a very cost-effective wet-wet differential pressure transmitter.

Other features are fast response time and accurate temperature measurement in any liquid.

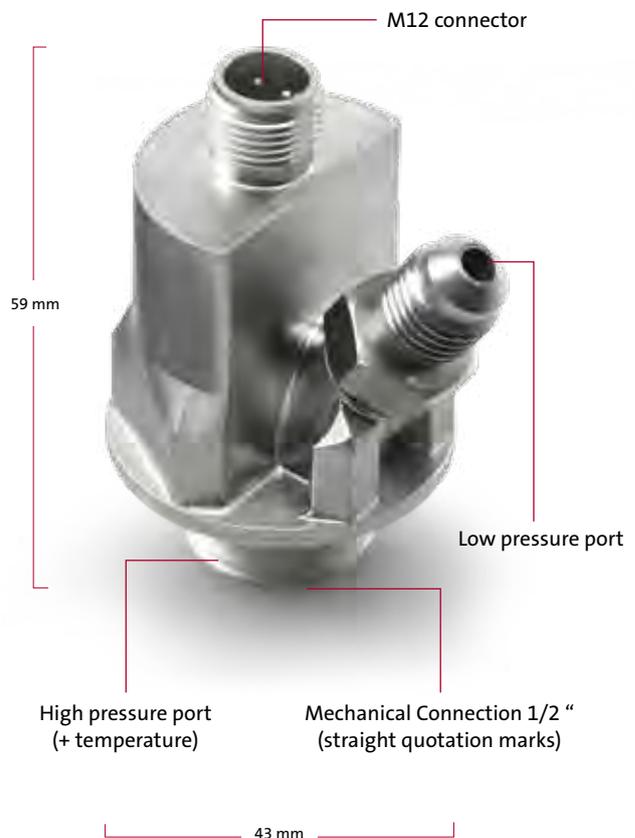
The output signals are linearised for pressure and temperature and can be used directly as control signal input.

Benefits

- ▶ Wet/wet differential pressure transmitter with fast response time for instant system update
- ▶ The Silicoat® technology enables precise temperature readings even in harsh environments and aggressive liquids.

	Pressure range [bar]							
	0 to 0.6	0 to 1.0	0 to 1.6	0 to 2.5	0 to 4.0	0 to 6.0	0 to 10	0 to 16
DPI	x	x	x	x	x	x	x	x
DPI+T	x	x	x	x	x	x	x	x

Data	DPI	DPI+T
Pressure measuring range	0.0.6 to 0.16 bar	
Accuracy (p)	± 2% FS	
Accuracy (t)		± 2.5°C
Max. pressure	25 bar (60 bar burst pressure)	
Media temperature	-30°C to 120°C (non-freezing)	
Ambient temperature	-25°C to 60°C	
Measuring range (t)		0°C to 100°C
Supply voltage	12 to 30 VDC	
Output	> Press. > Press. + Temp.	4 to 20 mA (Clamp 21 mA)
Connection > Electrical > Pressure	M12 (30 metres maximum. Longer via converter) G½ (High pressure port) Nipple 1/8-27 NPT (Low pressure port)	2 x 0 to 10 V
Sealing	EPDM or FKM	
Material	Stainless steel (1.4404/AISI 316L)	
IP Class	IP67	



The sign of top industrial quality

The characteristic stainless steel Grundfos Industrial Solutions sign symbolises our commitment to industrial professionals. Our pump ranges cover it all: cleaning, dosing, water treatment, water supply, wastewater, cooling, boiler

feeding, heating, fire protection and general or sanitary processing. In addition to the extensive pump portfolio we offer a variety of pump-related solutions, including sensors, monitors and control units.

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