

D-PT 2

Pressure transducers

The pressure transducer generates an output signal proportional to the input pressure. The sensor detects the pressure of the most common fluids: air, inert gases and water, and uses an Al2 O3 96% ceramic sensing element. As the temperature changes within −40°C to +125°C, the integrated digital electronics provide offset and span correction, as well as increasing long-term stability. The pressure transducer meets the requirements of Electromagnetic Compatibility (EMC).

HIGHLIGHTS

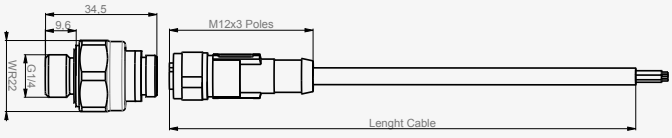
Temperature compensation

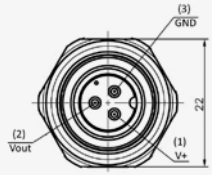
CODE	DESCRIPTION
D118202400	DTI D-PT2, Pressure transducers, 20bar, ratiometric, cable included

TECHNICAL FEATURES

CONNECTION	G 1/4
SEALING MATERIALS	FKM
FLUID TEMPERATURE	-40°C to +125°C
FLUIDS	Air, inert gases, water
RESPONSE TIME	≤ 5 ms
ENVIRONMENTAL PROTECTION	IP65
BODY	Stainless steel AISI 304
SEALING	O-Ring Standard V = FKM
SENSOR	Al2 O3 96% ceramic
ACCURACY	±1% FSS 0/+60°C | ±3% FSS -40/0°C, +60/+125°C
PRESSURE RANGE	0/+20 bar (relative)
SUPPLY VOLTAGE	5 Vdc
OUTPUT RANGE	0.5/4.5 Vdc (ratiometric)
OVERPRESSURE	2.0x FSS
BURST PRESSURE	3.0x FSS
CABLE LENGTH	1000 mm
CONNECTOR TERMINALS	GX12 male 3-pin with cable

TECHNICAL DRAWINGS





GX12 CONNECTOR (PINOUT)	CABLE WIRING (STANDARD CABLE VERSION)
Pin 1: +5 Vdc (V+ Supply)	Red: +5 Vdc
Pin 3: 0 Vdc (GND)	Black: 0 Vdc
Pin 2: Analog out (ratiom. 0.5–4.5 Vdc)	Green: Signal output

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