

GUARDIAN Pressure Transducers

MT0125	-1.0 to 8.0 bar gauge
MT0126	-1.0 to 24.0 bar gauge
MT0127	-1.0 to 39.0 bar gauge

The transducers provide accurate measurement and control of suction, discharge, oil, filter and pump pressures in plant rooms for both Freon and Ammonia compressor and condenser systems.

MAIN CHARACTERISTICS

◆ Sensor:	Thin film on steel
◆ Measuring range:	0...2.5 to 0...600 bar
◆ Signal output:	4...20 mA 0...5 VDC 1...6 VDC 0...10 VDC
◆ NLH (BSL through 0):	± 0.3 % FS typ.

MAIN FEATURES

- ◆ smallest design
- ◆ Completely welded steel sensor system without additional seals

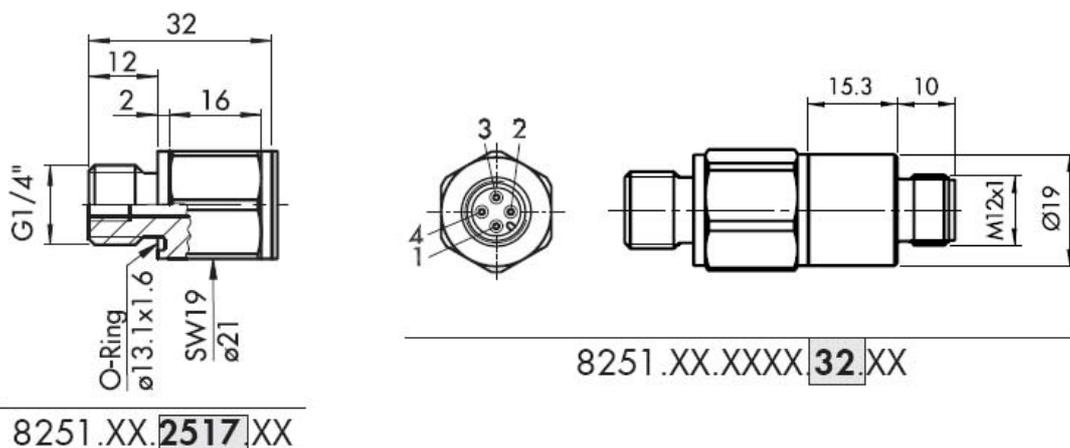


MT0125 (8251.26.2517) is a rugged **-1.0 to 8.0 bar** gauge Pressure Transducer which may be used in conjunction with E636, RCC20, SCC50, GC-045 and IPC controllers.

MT0126 (8251.28.2517) is a rugged **-1.0 to 24.0 bar** gauge Pressure Transducer which may be used in conjunction with RCC20, RCC50, SCC50, GC-045 and IPC controllers.

MT0127 (8251.28.2517) is a rugged **-1.0 to 39.0 bar** gauge Pressure Transducer which may be used in conjunction with RCC20, RCC50, SCC50, GC-045 and IPC controllers.

DIMENSIONS



ACCURACY

TEB @ -25...+85°C: ± 2.0 % FS typ.
 Accuracy @ +25°C: ± 0.5 % FS typ.
 NLH @ +25°C (BSL through 0): ± 0.3 % FS typ.
 TC zero point and span: ± 0.03 % FS/K typ.
 Long term stability
 1 year @ +25°C: < ± 0.2 % FS typ.

ELECTRICAL DATA

Output/Supply voltage
 4...20 mA: 24 (9...32) VDC
 Rise time: typ. 1 ms/10...90% nominal pressure
 Switch-on delay: 1 s

ENVIRONMENTAL CONDITIONS

Operating temperature: -25...+85°C
 Media temperature: -25...+125°C
 Protection: ¹⁾ min. IP65
 Humidity: max. 95% relative
 Vibration: 25g (20...2000 Hz)
 Shock: 100g/11 ms

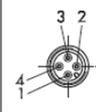
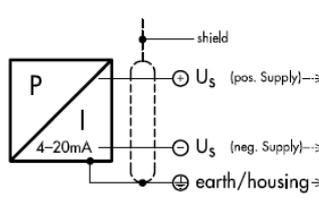
EMC PROTECTION

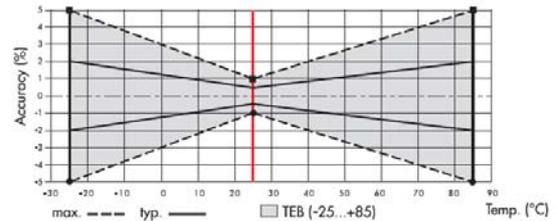
Emission: EN/IEC 61000-6-4
 Immunity: EN/IEC 61000-6-2

MECHANICAL DATA

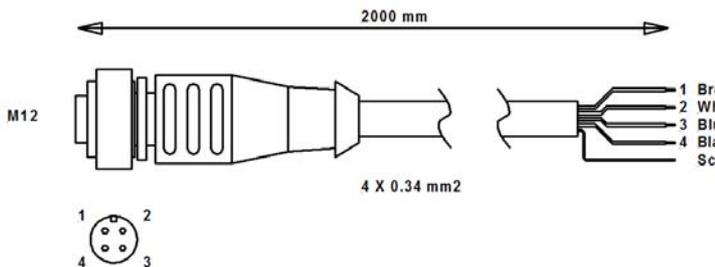
Material
 Sensor: 1.4542 (AISI630)
 Housing: 1.4301 (AISI304)
 O-Ring (media contacting): NBR
 Male electrical plug: see ordering information
 Mounting torque: 25 Nm
 Weight: appr. 50 g

ELECTRICAL CONNECTION

Protection	IP67
Execution	M12x1 4-pol. 32
Output	
	<p>1 3 4</p> <p>8251.XX.XXXX.XX.19</p>



MT0100
Pressure Transducer M12 Cable



MT0118
Optional Pressure Transducer Snubber

