

Description

The IMPRESS range of industrial pressure transducers offers flexibility and cost effectiveness. The transducers offer good accuracy figures and temperature stability.

The use of ASIC based technology allows accuracies ranging from the standard 0.25% through to an exceptional 0.05%.

Features:

- Superb chemical and corrosion resistance
- 4 to 20mA output
- Excellent linearity
- Wide temperature range
- Rugged construction
- High electrical isolation
- Excellent long term stability
- Temperature compensated
- Cost effective



Specifications:

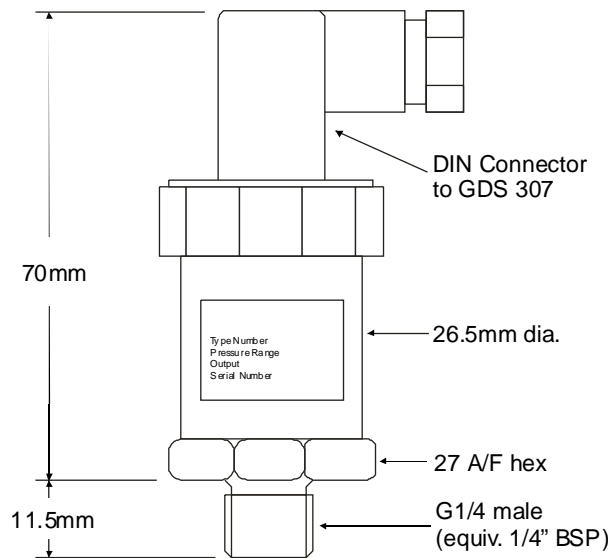
Pressure range:	0-0.5 bar to 0-600 bar - Gauge or Absolute
Non linearity, hyst. and repeatability (best line straight fit)	<±0.25% of span (standard)
Compensated temp:	20°C to 80°C
Operating temp range:	-20°C to 135°C
Thermal zero shift:	<±0.04% span/°C
Thermal span shift:	<±0.015% span/°C
Safe over range:	1½ times sensor range
Burst pressure:	3 times sensor range
Long term stability:	0.1% / 12 months

	4-20 mA Output	mV/V Output
Excitation:	10-32 Vdc unregulated	2-32VDC
Output span:	16mA ±1% of span at rated pressure	
Output zero:	4mA ±1% of span at zero pressure.	0mV ±1%

PRESIMPRESS-1.1-0

Dimensions and Connections

GDS 307 DIN 43650 Plug & Socket



Connections

Output	Connections	Pin Number
4-20mA	+ve Supply	1
	-ve Supply	2
	EARTH	EARTH

Order Codes

4-20 mA Output

Range

0 to 1 bar Abs
 0 to 0.5 bar G
 0 to 1 bar G
 0 to 2 bar G
 0 to 5 bar G
 0 to 10 bar G
 0 to 20 bar G
 0 to 50 bar G
 0 to 100 bar G
 0 to 200 bar G
 0 to 400 bar G
 0 to 600 bar G

IMPRESS Part number

IMP-A1000-5A4-AAV
 IMP-G0500-5A4-AAV
 IMP-G1000-5A4-AAV
 IMP-G2000-5A4-AAV
 IMP-G5000-5A4-AAV
 IMP-G1002-5A4-AAV
 IMP-G2002-5A4-AAV
 IMP-G5002-5A4-AAV
 IMP-G1003-5A4-AAV
 IMP-G2003-5A4-AAV
 IMP-G4003-5A4-AAV
 IMP-G6003-5A4-AAV

SENSIT Equivalent.

M6420-001A2-50
 M6420-001G1-50
 M6420-001G2-50
 M6420-002G1-50
 M6420-005G1-50
 M6420-010G1-50
 M6420-020G1-50
 M6420-050G1-50
 M6420-100G1-50
 M6420-200G1-50
 M6420-400G1-50
 M6420-600G1-50

mV/V Output

Range

0 to 1 bar Abs
 0 to 0.5 bar G
 0 to 1 bar G
 0 to 2 bar G
 0 to 5 bar G
 0 to 10 bar G
 0 to 20 bar G

IMPRESS Part number

IMP-A1000-1A4-AAV
 IMP-G0500-1A4-AAV
 IMP-G1000-1A4-AAV
 IMP-G2000-1A4-AAV
 IMP-G5000-1A4-AAV
 IMP-G1002-1A4-AAV
 IMP-G2002-1A4-AAV

SENSIT Equivalent.

M5070-001-01-A2
 M5070-001-01-G1
 M5070-001-01-G2
 M5070-002-01-G1
 M5070-005-01-G1
 M5070-010-01-G1
 M5070-020-01-G1

0 to 50 bar G
 0 to 100 bar G
 0 to 200 bar G
 0 to 400 bar G
 0 to 600 bar G

IMP-G5002-1A4-AAV
 IMP-G1003-1A4-AAV
 IMP-G2003-1A4-AAV
 IMP-G4003-1A4-AAV
 IMP-G6003-1A4-AAV

M6070-050-01-G1
 M6070-100-01-G1
 M6070-200-01-G1
 M6070-400-01-G1
 M6070-600-01-G1

For other accuracy options, thermal performance options and range options - please contact supplier