

# General purpose industrial pressure transmitters

## M20 range

- Compact and rugged construction
- Stable, repeatable and reliable output
- 4 to 20mA (other output types available)
- Standard accuracies  $\pm 0.5\%$
- Ranges 0.25 to 400 bar Gauge
- Some Absolute models available
- Cost effective
- Custom models available to order



### Description

The M20 range pressure transmitters have a precise design, highly integrated electrical structure, full digital temperature compensation and calibration, high quality materials and good electromagnetic compatibility. They are highly cost-effective while providing high reliability. M20 transmitters are suitable for various pressure monitoring and measurements in general industrial applications.

### Applications include:

- Plant and machine engineering, hydraulic and pneumatic pressure
- Tank level measurement
- Process control

Order codes for standard pressure ranges	Range - note other ranges available on request
PTM-A1001-102	0 to 1 bar Absolute
PTM-G2500-102	0 to 0.25 bar Gauge
PTM-G2501-102	0 to 2.5 bar Gauge
PTM-G1002-102	0 to 10 bar Gauge
PTM-G2002-102	0 to 20 bar Gauge
PTM-G4002-102	0 to 40 bar Gauge
PTM-G1003-102	0 to 100 bar Gauge
PTM-G2003-102	0 to 200 bar Gauge

PRESM20-1.2-1

---

**AMALGAMATED INSTRUMENT CO**

ABN: 80 619 963 692

Unit 5, 28 Leighton Place Hornsby  
NSW 2077 Australia

Telephone: +61 2 9476 2244  
Facsimile: +61 2 9476 2902

e-mail: [sales@aicpl.com.au](mailto:sales@aicpl.com.au)  
Internet: [www.aicpl.com.au](http://www.aicpl.com.au)

## Specifications

### Pressure Specification

Pressure Range (bar):	1A	0.25G	2.5G	4G	10G	25G	40G	100G	250G
Over pressure (bar):	2	5	5	10	20	50	100	150	375

### Input Specifications

Electrical Excitation:	4-20mA (2 wire)	8-30VDC
Permissible load:	4-20mA	$[(V_s - 8V / 0.02)]\Omega$
Response time:	Less than 4mS for liquid (depending on viscosity) or less than 35mS for gas	

### Output Specifications

Accuracy	Standard: $\pm 0.5\%$ FSO
Hysteresis	$\pm 0.1\%$ FSO
Long term stability	$\pm 0.1\%$ FSO per year typically

### Environmental Specifications

Compensated temperature	-10 to +80°C
Medium temperature	-30 to +85°C
Storage temperature	-40 to +100°C
Environmental temperature	-30 to +85°C

**Mechanical connection** - G 1/4" ISO 1179-2 (other options are available)

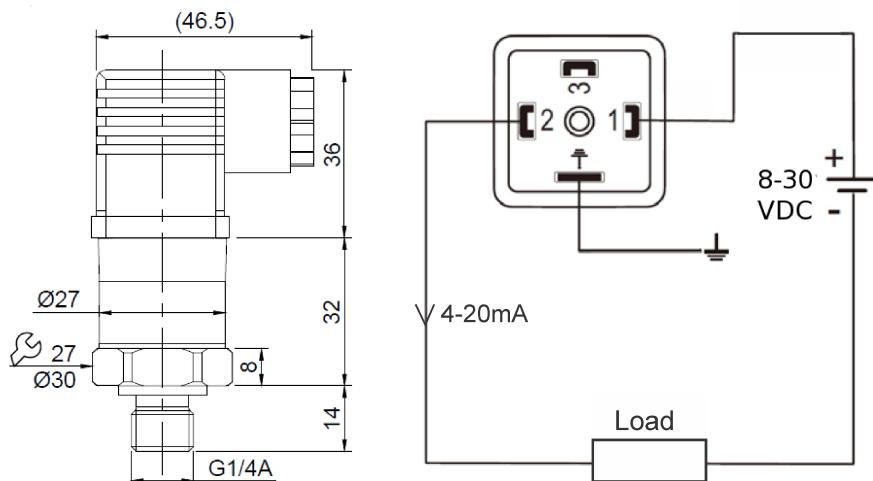
**Electrical connection** - Male and female plug DIN 175301-803A (other options are available)

**Weight** - 135gm

**Seals** - fully welded 316 stainless steel wetted part

**Compliance** - CE (EU) and ROHS (EU)

**Dimensions and electrical connection**



PRESM20-1.2-1

**AMALGAMATED INSTRUMENT CO**

ABN: 80 619 963 692

Unit 5, 28 Leighton Place Hornsby  
NSW 2077 Australia

Telephone: +61 2 9476 2244  
Facsimile: +61 2 9476 2902

e-mail: sales@aicpl.com.au  
Internet: www.aicpl.com.au