

# 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 custom ranges also available
M20-G-0.25-1-7-02-3-1	0 to 2.5 bar G
M20-G-4-1-7-02-3-1	0 to 4 bar Gauge
M20-G-6-1-7-02-3-1	0 to 6 bar Gauge
M20-G-10-1-7-02-3-1	0 to 10 bar Gauge
M20-G-16-1-7-02-3-1	0 to 16 bar Gauge
M20-G-25-1-7-02-3-1	0 to 25 bar Gauge
M20-G-40-1-7-02-3-1	0 to 40 bar Gauge
M20-G-60-1-7-02-3-1	0 to 60 bar Gauge
M20-G-100-1-7-02-3-1	0 to 100 bar Gauge
M20-G-160-1-7-02-3-1	0 to 160 bar Gauge
M20-G-250-1-7-02-3-1	0 to 250 bar Gauge
M20-G-400-1-7-02-3-1	0 to 400 bar Gauge

MSM20-1.1-0

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## Specifications

### Pressure Specification

Pressure Range (bar):	0.25G	4G	6G	10G	16G	25G	40G	60G	100G	160G	250G	400G
Over pressure (bar):	5	10	10	20	30	50	100	100	150	300	375	600

### 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)

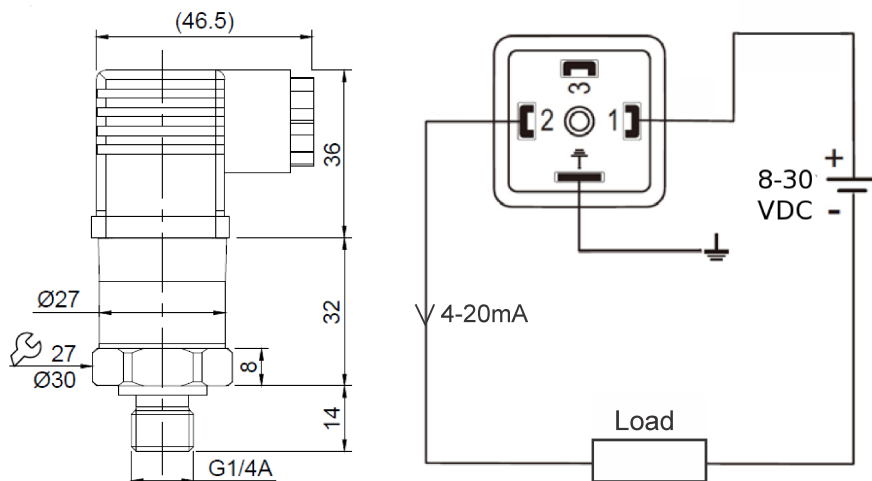
**Electrical connection** - Male and female plug DIN 175301-803A (other options are available)

**Weight** - 135gm

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

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

**Dimensions and electrical connection**



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