

**Pressure gauge with 4-20mA analogue output**

**Application :**

These gauges can be used in all general industrial applications. In addition to measurement and indication of pressure it has additional 4-20mA DC analogue output for connecting to SCADA or DAS.

**General :**

Precimeasure industrial pressure gauges are suitable for all general industrial applications. Design incorporates robust construction, work safety is guaranteed for accuracy, repeatability and durability. These gauges come with bourdon tube sensing elements. Performance is as per IS3624-1987 and as per EN-837-1. They are available in stainless steel casing to suit most environments and field applications. Built-in transducer is provided for giving 4-20mA DC output corresponding to the range for connection to SCADA or DAS.

**Technical Specification:**

Range	0 to 10 Kg/cm <sup>2</sup> ( Up to 400 Kg/cm <sup>2</sup> )
Optional measuring units	PSI, bar&Kg/cm <sup>2</sup>
Wetted Parts	SS304/ SS316L/ Monel
Sensing Element	SS Bourdon / Monel
Over pressure protection	130% of FSD (Optional 150% of FSD) - Short Duration of up to 1 minute
Pressure transducer	Built-in inside the pressure gauge
Input supply	24V DC $\pm$ 10%
Output	One number 4-20mA DC
Burden on signal output	Maximum 600 $\Omega$ including loop resistance
Accuracy of signal output	$\pm$ 1% FSD
Power Consumption	3 Watts.
Terminals	Screwed Caged suitable for one 2.5 SQ.mm wire
Insulation	Greater than 100 mega $\Omega$ at 500V DC all terminals to body.
H.V test	2KV 50/60 Hz. For 1 minute all terminals to body.
Operating Temperature	0°C to 60°C
Storage Temperature	-30°C to 70°C
EMI/EMC	Compliance 61000-4-4,IEC 61000-4-5
Degree of protection	IP-55



### External PSU (Optional):



Signal input	Suitable for connection from built-in pressure transducer inside the pressure gauge
Auxiliary supply input	90-260v AC/DC
Signal output	2 Nos. 4-20mA DC
Burden on signal output	Maximum 600Ω including loop resistance
Mounting	DIN rail or Screw fixing
Degree of protection	Suitable for indoor mounting
H.V test	2KV 50/60 Hz. For 1 minute all terminals to ground

### Remote indicator (Optional):

Signal input	4-20mA DC from external PSU
Auxiliary supply input	90-260v AC/DC
Signal output	2 Nos. 4-20mA DC
Communication port	RS 485 MODBUS RTU protocol (Optional)
Burden on signal output	Maximum 600Ω including loop resistance
Mounting	DIN rail or Screw fixing
Degree of protection	Suitable for indoor mounting
H.V test	2KV 50/60 Hz. For 1 minute all terminals to ground



### Note :

Remote Indicator	Options
	T1 - Indication Only.
	T2 - 2No, 4-20mA DC outputs.
	T3 - one 4-20mA DC output + 2Nos. Change over relay contacts
	T4 - one 4-20mA DC output + Rs 485 Modbus RTU protocol
	T5 - 4Nos. of 4-20mA DC outputs.

