Bailey & Mackey Ltd

BM1200

The BM1200 is a high quality pressure transducer which offers high stability in a compact design. There are a variety of options for both pressure and electrical connections and with pressure ranges up to 600Bar enables the BM1200 Transducer to be utilised in most applications including, Heating and Ventilation, Building Management, Industrial, Automotive and many more.

- Multiple options for connectors and ports
- CE Marked
- High Stability & Reliability
- RoHS Approved
- EMC Approved
- 1.5x Pressure Overload
- 3x Burst Pressure
- Accuracy 0.5% or 1.0% of full scale.
- Gauge & Absolute ranges available

Mechanical Specifications

Pressure Range

2bar – 600bar

Please speak to our Technical Sales Team for full range of Pressures.

Performance

Accuracy	+/- 0.5%, +/- 1% FS
Temperature Range	-10 to 80 °C

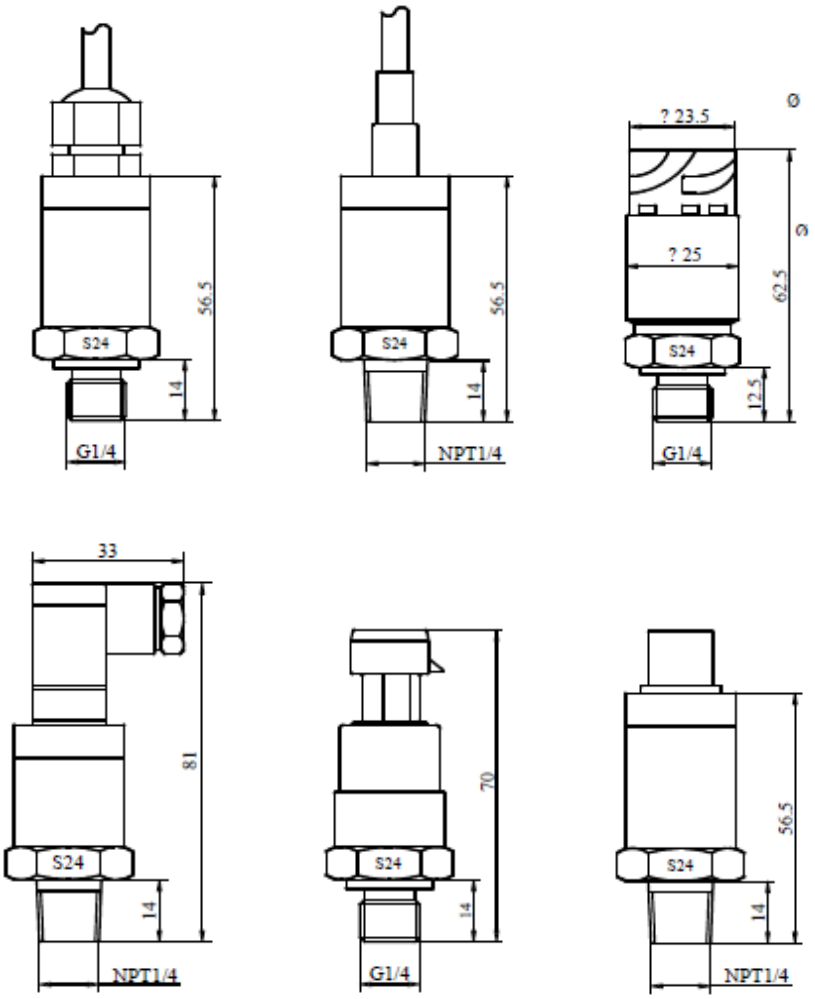
Mechanical Configurations

Pressure Connection	G ¼
Wetted Parts	Stainless Steel
	Ceramic

Electrical Specifications

Input	12 to 30V dc
Output	4 to 20mA (2 wire)
	OR
	0 to 10V dc (3 wire)

Technical Drawing



Technical Data

Items	Specifications	
Measurement Range	2 bar - 600 bar	
Overload Pressure	1.5 times rated pressure	
Failure Pressure	3 times rated pressure	
Accuracy	+/- 0.5, +/- 1% F.S	
Stability	Typical Value : 0.5% F.S Maximum Value 1% F.S	
Operating Temp	-40°C - 100°C	
Compensating Temp	-10°C - 80°C	
Storage Temp	-50°C - 125°C	
Medium Compatibility	All corrosive media compatible with 1CR18Ni9Ti Stainless Steel and Ceramic	
Electrical Feature	Two-wire	Three-wire
Signal Output	4-20mA	0-10V
Power Supply	10-30Vdc	15-30Vdc/ac
Load Resistance	(U-10)/0.02 Ω	>100KΩ
Insulation	>100Ω @50V	
Electrical Connector	Packard, DIN 43650C, DIN172585, M12 series, Cable	
IP Rating	IP67	
Pressure Connection	G1/4, NPT 1/4, 7/16-20UNF	
Response Time	10ms	
Pressure Form	Gauge Pressure: G Absolute pressure: A	
Certification	Intrinsic safety E, RoHS Certification, CE Certification	
Electromagnetic Compatibility	Electromagnetic Radiation: EN50081-1/-2 Electromagnetic Sensitivity: EN50082-2	