

ESPP-MIT1

Medium Isolated
Strain Gauge Pressure Transmitters



ES Systems has developed a series of pressure sensor transmitters featuring very good accuracy at low cost. Each module is based on all welded hermetically sealed structure in a single stainless-steel piece. The ESPP-MIT1 is a medium isolated pressure sensor suitable for gas or fluid pressure measurements in harsh environments.

The output is fully calibrated and temperature compensated based on the internal temperature sensor and the factory calibration coefficients which are stored in the embedded memory. Thus, the transducer is ready to be installed directly to the end user system without further processing.

ESPP-MIT1 comes with a variety of electrical interfaces output signal types and process interfaces. It is one of the most cost-effective solutions especially when high volumes are required.



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ESPP-MIT1

Medium Isolated
Strain Gauge Pressure Transmitters

Specifications

Pressure Type	Gauge
Pressure Range	Up to 400 bar
Power Supply	+8V ... +32V
Total Error	< ±1.0 %FS
Operating Temperature	-40°C ... +125°C
Compensation Temperature	-10°C ... +80°C
Output	Calibrated Pressure
Output Interface	4-20mA, 0.5 – 4.5V, 1-5V
Overpressure Tolerance	Up to 5x
Media Compatibility	Gases, Liquids
Material	Stainless Steel 17- 4PH
Connection Type	M12, ISO4400, Cable
Pneumatic Interface	G1/2", G1/4", 1/2" NPT, 1/4" NPT
Dimensions	Height: 66.5 mm diameter Ø 23.5 mm



Ordering Information

ESPP-MIT1 – NNNNN – NN – NN – NN

Pressure Range

Gauge	Full Scale
007BG	7 bar
010BG	10 bar
016BG	16 bar
030BG	30 bar
050BG	50 bar
150BG	150 bar
250BG	250 bar
300BG	300 bar
350BG	350 bar
400BG	400 bar

Pneumatic Interface

01	1/2" NPT
02	1/4" NPT
03	G1/2"
04	G1/4"

Connector

01	M12
02	ISO4400
03	Cable

Output Type

01	4-20 mA
02	0.5-4.5 V
03	1-5 V



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