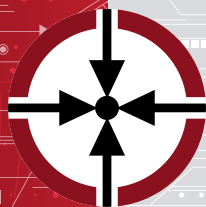


ESPP-MIT2

Medium Isolated Ceramic Capacitive Pressure Transmitters



ES Systems has developed a series of pressure sensor transmitters featuring very good accuracy at low cost. Each module integrates a ceramic pressure sensor designed for general industrial and commercial use, compatible for a wide range of applications. Utilizing the cointegrated ASIC signal conditioning chip and dry ceramic capacitor pressure sensor, ESPP-MIT2 features excellent anti-corrosion, anti-wear, anti-shock and vibration characteristics. In addition, the ceramic capacitor pressure sensor has high temperature stability and long-term stability, and can be in direct contact with almost all media.

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-MIT2 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-MIT2

Medium Isolated
Ceramic Capacitive Pressure Transmitters

Specifications

Pressure Type	Gauge
Pressure Range	Up to 60 bar
Power Supply	+12V ... +30V
Total Error	< ±2.5 %FS
Operating Temperature	-20°C ... +70°C
Compensation Temperature	-20°C ... +70°C
Output	Calibrated Pressure
Output Interface	4-20mA, 0.5-4.5
Overpressure Tolerance	Up to 2x
Media Compatibility	Gases, Liquids
Material	Stainless steel 304
Connection Type	M12, ISO4400, Cable, Packard
Process Interface	See table below
Dimensions	Height: 53mm Diameter Ø24.5mm

Ordering Information

ESPP-MIT2 — NNNNNN — NN — NN — NN

Pressure Range

Pressure Range	Full Scale
0010BG	10 bar
0016BG	16 bar
0025BG	25 bar
0040BG	40 bar
0050BG	50 bar
0060BG	60 bar

Output Type

01	4-20mA
02	0.5-4.5V

Process Interface

01	G1/4" male
02	1/4" NPT male
03	G1/8" male
04	1/8" NPT male
05	M12 x 1.5 male
06	M10 x 1 male
07	7/16-20UNF female

Connector

01	M12
02	ISO4400
03	Cable (0.5m)
04	Packard



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