

# Bailey & Mackey Ltd

## Type 482

This Series of compact Differential Pressure Transducers have a piezo resistive sensor and a unique conductive seal that eliminates internal wire bonding thus enhancing reliability. Zero and full scale adjusters are provided under the top cover. They are ideal for use in areas requiring exact pressure measurement, low hysteresis and long term stability. For all applications where air, oil or water are to be monitored.

- Piezo-resistive sensor
- Ranges from full Vacuum to 20 Bar
- Type 482A for 12/24 dc input, 4-20 mA output
- Type 482B for 24V ac/dc input, 0-10V dc Output
- Supplied with 1m Flying lead
- Complete with Mounting Bracket
- Enclosure rating IP65
- CE Marked to EN61000-6-2
- Weight 350 grams
- Pressure Connection 1/8" female BSPP



## Mechanical Specifications

### Pressures

Pressure Ranges	0 to 35 mbar
	0 to 70 mbar
	0 to 350 mbar
	0 to 1 bar
	0 to 2 bar
	0 to 7 bar
	0 to 17 bar
Intermediate ranges to suit application	
Proof Pressure	1.5 X FS
Out of Balance Pressure	1.5 X FS
Line Pressure	34 Bar G

### Performance

Accuracy	0.25% FS
Repeatability	0.2% FS/Year typical
Thermal Error	0.026% FS/°C from 20°C
Temperature Range	-20 to +80°C

### Mechanical Configurations

Pressure Connection	1/8" BSP Female Brass
Wetted Parts	Brass, Silicon, Nitrile, Fluorosilin, Polyetherimide

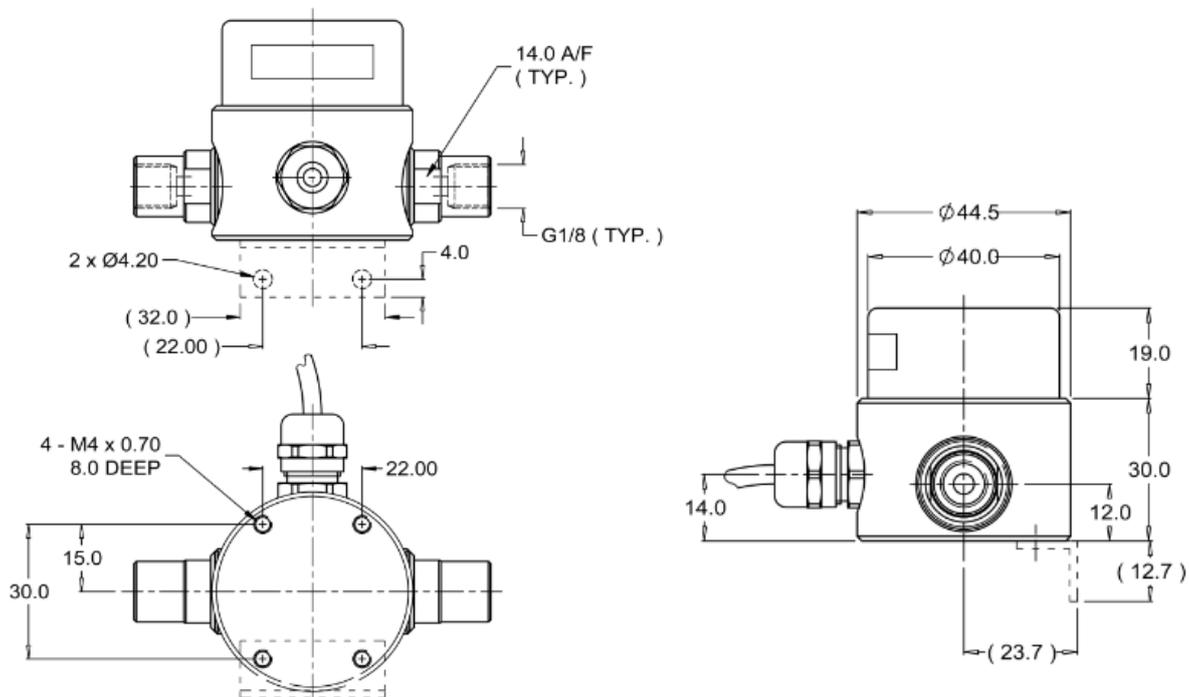
48200

The version of the 482 Pressure Transducer is for use with aggressive Chemical Fluids & Gases. 316 Stainless Steel connections and Nitrile Diaphragms for the wetted parts.

- Comes with either 0-10V or 4-20mA output
- 1/8" BSP Connections.
- 12 to 24V ac/dc input
- IP65 Rating
- Piezo-resistive
- Max Line Pressure 10 bar



## Technical Drawings



All dimensions in (mm)

## Electrical Specifications

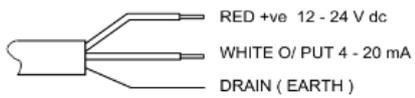
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### Type 482A

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<b>Input</b>	12 to 24V dc
<b>Output</b>	4 to 20mA (2 wire)

TYPE 482A :- mA OUTPUT



### Type 482B

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<b>Input</b>	24V ac/dc
<b>Output</b>	0 to 10V dc (3 wire)

TYPE 482B :- VOLTAGE OUTPUT

