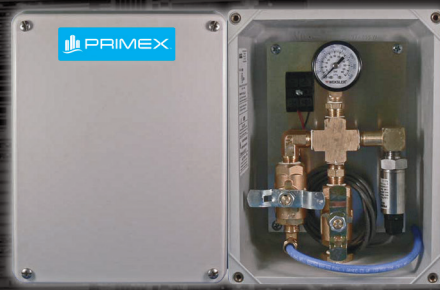


# ROTO-TRAN IV

## PRESSURE TRANSDUCER



## OVERVIEW

The enclosed Roto-Tran IV is a pressure transducer that provides a 4-20 mA signal over its labeled pressure range. The Roto-Tran IV is available in six different pressure ranges from 0-300 PSI. This loop powered, barometric and temperature compensated device uses a high-accuracy piezo-electric sensing element.

This transducer is constructed from 316L stainless steel and carries a NEMA 4X rating. Tank and pipe mounting can be accomplished by its integral, threaded process connection.

## SPECIFICATIONS

- Service: Compatible gasses and liquids
- Wetted Materials: Type 316L Stainless Steel
- Accuracy: 1% full scale (includes linearity, hysteresis, and repeatability)
- Temperature Limit: 0 to 200°F (-18 to 93°C)
- Compensated Temp Range: 0 to 175°F (-18 to 79°C)
- Thermal Effect: +/-0.04% FS/°F (includes zero and span)
- Power Requirements: 13 to 30 VDC
- Output Signal: 4 to 20 mA
- Response Time: 50 msec
- Loop Resistance: 0-1300 ohms maximum
- Current Consumption: 39 mA (maximum)
- Electrical Connections: 3 feet of prewired cable
- Process Connections: 1/4" male NPT
- Enclosure Rating: NEMA 4X (IP66)
- Mounting Orientation: Mount in any position

## ORDERING

PRESSURE RANGE	PART NUMBER
ENCLOSED WITH BLOCK AND BLEED	
0-15 PSI (0-35 FT)	1052226
0-30 PSI (0-69 FT)	1052227
0-50 PSI (0-116 FT)	1052228
0-100 PSI (0-231 FT)	1044754
0-200 PSI (0-462 FT)	1052230
0-300 PSI (0-693 FT)	1052231
SENSOR ONLY	
0-15 PSI (0-35 FT)	1048062
0-30 PSI (0-69 FT)	1048059
0-50 PSI (0-116 FT)	1048058
0-100 PSI (0-231 FT)	1048063
0-200 PSI (0-462 FT)	1048061
0-300 PSI (0-693 FT)	1048060

\* Weight: 10 oz. (238 g)

## FEATURES

A NEMA 4X non-metallic enclosure houses the Roto-Tran IV pressure transducer, block and bleed valve and pressure gauge.

A terminal strip for field wiring is included. The pressure line connection to the block and bleed assembly is through a 1/4" female NPT bulkhead fitting located on the bottom of the enclosure.



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