

P131

Threaded OEM Pressure Transmitter



*Precision Grade--
Economical Solution for high volume, tough applications*

Designed for the OEM or high volume users

The P131 Pressure Transmitter is designed to provide our OEM customers with an economical solution to their industrial pressure measurement needs. *Key feature of the all welded sensor design is its isolation from induced stresses and its ability to survive applications where pressure spiking can occur.*

Manufactured for general or aggressive environments

Tel-Tru's P131 is manufactured to NEMA 4X standards regardless of output or pressure format. *The P131 housing is constructed of entirely welded high corrosion stainless steel and is completely 'O'-Ring free.* Voltage or current output models are available from 0-15 psi through 0-15,000 psi.

Modular and configurable

To keep cost down, the P131 is modular and configurable to ensure our customers receive a product that is best suited for their application.

CE

Conforms to EN50081-2 and EN50082-2

*NEMA 4X Packaging
Modular*



Standard Features

*NEMA 4X Packaging
±0.5% FSO Static Accuracy
Thermal Error Band of less than 2%
0-15 through 0-15,000 psi*

Note: specifications are subject to change.



Tel-Tru Manufacturing Co.
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Standard Features

P131 Pressure Transmitter



OEM Applications
0-15 through 0-15,000 psi

Product Specifications

Electrical

Excitation	8-38 Vdc*
Output	
P131A	4-20 mA
P131B	0-5 Vdc*
Zero Balance	= ± 1% FSO
FSO Setting	= ± 1% FSO
Resolution	Infinite (±.001% FSO usable)
Response Time	< 5 mS
Insulation Resistance	1000 MO @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	= ± .002% FSO per V input
EMI/RFI	Internal Filtering
Short Circuit Protected	Up to 40 Vdc

Mechanical

Pressure Ranges	0-15 through 0-15,000 psi (Customer may specify any range/eng. unit FOC) (Absolute, vacuum, compound available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale*
Materials	
Wetted Parts	316 & 15-5 SST*
Non-wetted Parts	316 SST plus electrical connector
Pressure Port	¼" -NPT Male*
Electrical Connector	NEMA 4X cable exit (24" cable)*
Dimensions	per outline below
Weight	nominal 10 oz

Performance

Static Accuracy	= ±0.5% FSO* (BFSL, RSS) (combined effects of non-linearity, hysteresis & repeatability)
Repeatability	= ±0.1% FSO
Temperature Effects	= ±2% FSO over comp range (combined effects of Zero & FSO with reference at 70°F)
Long Term Stability	= ±0.5% FSO per year

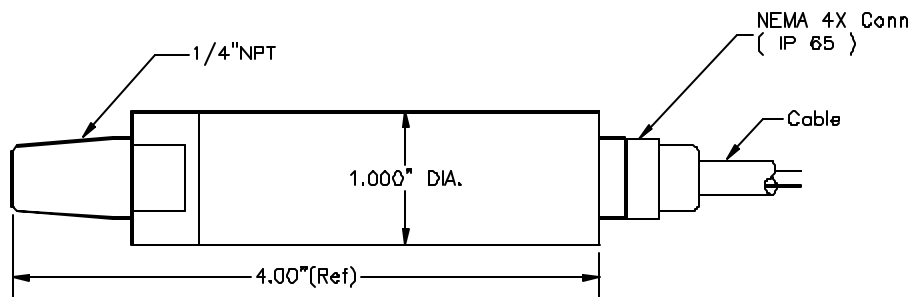
Environmental

Compensated Temp Range	0 to 170 °F*
Operating Temp Range	-40 to 200 °F*
Storage Temp Range	-40 to 250 °F

* Options Available

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Outline



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