



Pressure, Level & Temperature Transmitters & Transducers

Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

Ranges	5 thru 15,000 PSIA, PSIG or PSISG options
FS Output at Rated Pressure	3 mV/V at 10 Vdc, other options available
Temperature Output	100 ohm 2 wire platinum RTD optional 1000 ohm 2 wire platinum RTD also available
Proof Pressure	1.5X with (25 psia min) 10X optional
Burst Pressure	3.0X (4500 psi secondary containment) (300 min) 15X optional
Excitation or Input Voltage	3.5 to 15 Vdc
Non-Repeatability	<0.1% FSO
Non-Linearity	<0.2% FSO
Hysteresis	<0.2% FSO
Thermal Error	Zero $\pm 0.5\%$ / 100F Span $\pm 0.5\%$ / 100F
Static Accuracy RSS (HYS, Non-Linearity, Non-repeatability)	<0.3% FSO RSS, 0.1% optional
Error Band (all 5 parameters)	1.3% FSO, 1.0% optional
Pressure Medium (Wetted Materials)	316SS port, 15-5 sensor (Inconel, Hastelloy optional)
Temperature Compensation	-10°F to +180°F / -20°C to +80°C, expanded range optional
Operating/Environmental Temperature	-20°F to +190°F / -30°C to +90°C
Weight	4 oz. (some options may affect weight)
Pressure Port	MS 33656-4 (M)
Electrical Connector	PTIH-10-6P, MIL D38999 series III
Shunt Cal 80% / 100% Optional	Internal $\pm 0.5\%$ FS
Vibration, Shock, Acceleration Design meets MIL-STD-810F	25 Grms / 100G's Pk/Pk/ 3500 G Pyroshock / 12g
Response Time	Under 5 ms
Meets MIL-STD 461 EMI/RFI	Some options will affect EMI/RFI rating

ORDERING GUIDE:

Some options will affect dimensions, consult factory if important.
Use the following codes to identify desired item.

MODEL	OUTPUT	RANGE	PRESSURE TYPE	OPTIONS
●	—	●	—	●

Example: 7100-1-RH-A-CA/FD/GH

OUTPUT

1	3 mV/V
7	2 mV/V
8	10 mV/V

PRESSURE RANGE (PSI)

PJ	0-5 *	RF	0-300
PN	0-10 *	RH	0-500
PP	0-15 *	RK	0-750
PR	0-20 *	RM	0-1,000
PO	0-25 *	RO	0-1,500
PV	0-50	RR	0-2,000
PZ	0-100	RT	0-3,000
RB	0-150	RV	0-5,000
RD	0-200	RX	0-7,500
		RZ	0-10,000

* CAN DIA 1.5"

PRESSURE TYPE

A	Sealed Absolute, ref to vacuum
G	gauge, ref to atmosphere
SG	Sealed Gauge, ref to 14.7 psia

OPTIONS CONNECTORS

CA	PTIH-10-6P Bendix
CI	D38999/27YB98PN
DB	D38999/27YA35PN

PORTS

FA	MS33649-4, 7/16-20 (F)
FD	MS33656-4, 7/16-20 (M)
FJ	1/4 NPT (M)

MISC.

D	Improved Static Accuracy to 0.1% and Total Error Band to 1.0%
GB	Alternate full scale outputs
GD	10X Proof Pressure (may affect overall performance, not available with options D, GP, GF, GK)
GF	Expanded process temperature range, -65 to 250° F Error Band 2.3%
GH	100% Internal Shunt
GK	Inconel Pressure Cavity
GL	Cleaning for oxygen service
GP	Hastelloy Pressure Cavity
JA	100 ohm 2 wire RTD
JB	1000 ohm 2 wire RTD
ME	Shunt cal, 80% Internal
MR	Non-Standard Wiring

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