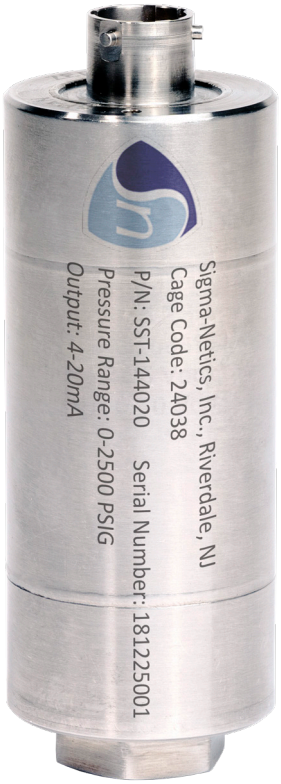
SIGMA-NETICS
Innovation in Sensing



SST 14X GENERAL INDUSTRIAL PRESSURE TRANSDUCER

Featuring 0.1% FSO accuracy, zero and span adjustment, a choice of outputs, including simultaneous digital and analog, and a wide range of user selected physical configurations, the **Series SST 14X General Pressure Transducer** is the right choice for most applications. Designed with flexibility, short lead times and low cost in mind, the **SST 14X Series** provides a high accuracy sensor with robust construction. The stainless steel, all welded design is capable of absolute or gage measurement, and pressure measurements as low as 0-5 PSIA/G up to 25,000 PSIA/G. As with all of Sigma-Netics' Sensing products, it comes with a standard NIST traceable 19 point calibration and an optional 3 temp thermal characterization.

Call and ask one our applications engineers about the **SST 14X** to configure one to your specifications.

STANDARD FEATURES

- Pressure ranges to 25,000 psi
- ±0.25% FSO accuracy, standard
- Analog and Digital outputs available
- Gage, absolute, vacuum ranges
- Stainless steel construction
- NIST traceable 19-point calibration

APPLICATIONS

- Process Control
- Test Stands
- Hydraulic Systems
- Coolant Systems

MECHANICAL CHARACTERISTICS

Standard Ranges	0-5, -10, -15, -25, -30, -50, -75, -100, -200, -500, -750, -1000, -1500, -2000, -3000, -5000, -7500, -10000, -15000, -20000, -25000 PSIA / PSIG
Proof Pressure	1.5x range
Burst Pressure	2.0x range
Operating Media	Fluids and gases compatible with 15-5 stainless steel (Inconel and other materials optional)
Enclosure	Body of stainless steel
Pressure Fitting	*(For ranges 5 psi through 10,000 psi)* 1/4" NPT Male or Female
	(For ranges greater than 10,000 psi through 25,000 psi) AE F250-C, 9/16"-18 UNF, or equivalent (standard)
	For additional pressure fittings, please consult factory

ENVIRONMENTAL CHARACTERISTICS

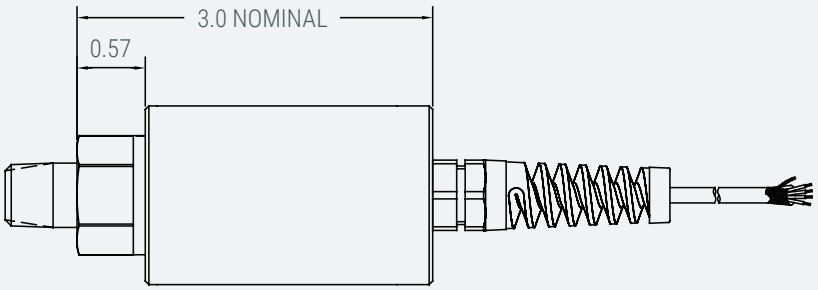
Compensated Temperature Range	+30°F to +130°F (standard), -30°F to +170°F (optional)
Operating Temperature Range	-65°F to +250°F (Process Temperature at sensor)
	-40°F to +185°F (Ambient Temperature)

ELECTRICAL CHARACTERISTICS

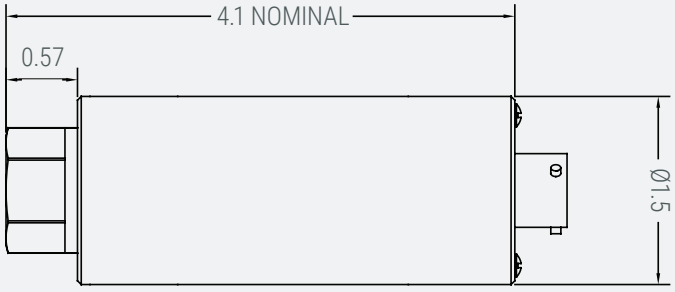
ANALOG OUTPUTS		
Excitation	4-20mA Current Loop:	9-36 Vdc
	Isolated Voltage Output (0-5 Vdc, 0-10 Vdc):	14-32 Vdc (standard)
		8-18 Vdc (no charge option)
	Non-Isolated Voltage Output:	8-40 Vdc for 1-5 Vdc, 3-wire (standard)
		8-40 Vdc for 1-6 Vdc, 3-wire (no charge option)
		8-40 Vdc for 0-5 Vdc, 4-wire (no charge option)
DIGITAL OUTPUTS		
Excitation	RS-232, 8-30 Vdc	
Programming	PC *(software-based zero/span settings)*	
COMMON		
Insulation Resistance	> 100 megohms at 50 Vdc at 70°F	
Electrical Termination	3 ft. of PVC cable with shield and drain wire	
	PTIH-10-6P stainless steel connector or equivalent	
	Optional electrical terminations available	

**Dual analog and digital outputs available.*

DIMENSIONS (INCHES)



DIMENSIONS (OPTIONAL)



PERFORMANCE

STATIC ACCURACY
±0.1% to ±0.25% FSO by BFSL

RESOLUTION
Analog: Infinite
Digital: 0.025% FSO

THERMAL ZERO SHIFT
< ±0.005% FSO/°F (typical)

THERMAL SPAN SHIFT
< ±0.005% FSO/°F (typical)

THERMAL ERROR
< ±0.020% FSO/°F (typical)

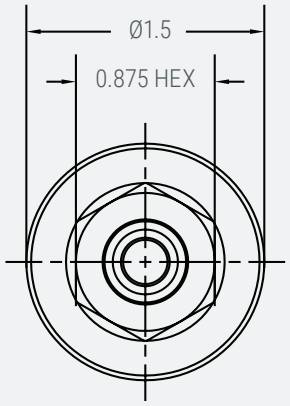
ZERO BALANCE
±1.0% FSO at 70°F
Zero adjustment: ±5.0% FSO (optional)

SPAN
±1.0% FSO at 70°F
Span adjustment: ±5.0% FSO (optional)

FREQUENCY RESPONSE
Consult factory

AVAILABLE OPTIONS
- Wetted material alternatives
- Extended thermals
- EMI/RFI protection
- Surge/Short circuit protection

STANDARD



10/21/19

**Technical specifications are subject to change. Please visit sigmanetics.com for more information.*

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