

AVAILABLE  
with Signature  
Calibration  
SEE PG. IN-5

# Ultra Precision Gage/Absolute Pressure Transducers

## Model Super TJE



0.05% ACCURACY

TRUE GAGE OR ABSOLUTE

SUPERIOR TEMP. SPECS

AMPLIFIED OUTPUT AVAILABLE

Model Super TJE is one of the most accurate industrial pressure transducers available today. The Super TJE features 0.05% FS Accuracy and a zero temperature error of less than 0.0015% FS/°F. These specifications are maintained by welding a double jacket shell of stainless steel along with our proprietary "True Gage" second diaphragm that isolates the strain gage circuitry from atmospheric contamination. High output options of 5 or 10 Vdc and 4-20 mA eliminate the need for an amplifier card in your data system. An optional internal *Signature Calibration* chip provides calibration information for automatic set up with the Model SC four or twelve-channel digital indicators.

### Dimensions

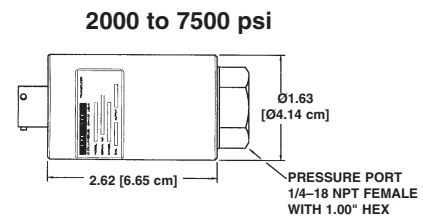
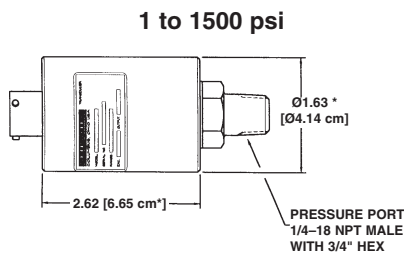
#### Absolute (Order Code AP112)

#### Available Ranges

15; 25; 50 75; 100; 150; 200; 300; 500; 750; 1000; 1500; 2000; 3000; 5000; 7500 psi

#### True Gage (Order Code AP111)

10; 15; 25; 50; 75; 100; 150; 200; 300; 500; 750; 1000; 1500; 2000; 3000; 5000; 7500 psi



### Options (See Appendix)

Internal amplifiers: 2a (for replacement only, see page AP-20); 2c (0-5VDC); 2j.

Amplifier enhancements: 3d; Int. shunt cal 8a; Signature calibration 53e

Accessories: Mating connectors and connector/cable assemblies; Pressures port adapters

\*For 10 and 15 psi (700 mbar and 1 bar) true gage models, the diameter is 2.00" (5.08 cm).

1-800-848-6564

Honeywell  
SENSOTEC

www.honeywell.com/sensing

## Model Super TJE

**True Gage: Order Code AP111**  
**Absolute: Order Code AP112**

<b>PERFORMANCE</b>	Pressure Ranges.....	10 to 7,500 psi (700 mbar to 500 bar)
	Accuracy (min.) .....	±0.05% F.S. (BFSL)
	Output (standard) .....	2mV/V
	Resolution .....	Infinite
<b>ENVIRONMENTAL</b>	Temperature, Operating .....	-65° F to 250° F (-50° to 120° C)
	Temperature, Compensated .....	60° F to 160° F (15° to 70° C)
	Temperature Effect - Zero (max.).....	0.0015% F.S./° F (0.0027% F.S./° C)
	- Span (max.).....	0.0015% Rdg./° F (0.0027% Rdg./° C)
<b>ELECTRICAL</b>	Strain Gage Type .....	Bonded foil
	Excitation (calibration) .....	10VDC
	Excitation (acceptable) .....	Up to 12VDC or AC
	Insulation Resistance .....	5000 megohm @ 50VDC
	Bridge Resistance .....	350 ohms
	Shunt Calibration Data .....	Included
	Wiring Code (std.) .....	#2 (See Pg. AP-8)
	Electrical Termination (std.).....	PTIH-10-6P or equiv. (Hermetic stainless)
Mating Connector (not incl.) .....	PT06A-10-6S or equiv.	
<b>MECHANICAL</b>	Media.....	Gas Liquid
	Overload-Safe .....	50% over capacity
	Overload-Burst .....	300% over capacity
	Pressure Port	
	10 to 1500 psi .....	1/4-18 NPT male
	2000 to 7500 psi .....	1/4-18 NPT female
	Dead Volume.....	0.17 cu. in.
	Wetted Parts Material.....	17-4 PH Stainless
Type .....	True Gage or Absolute	
Weight .....	12 oz. (Nominal)	
Case Material .....	17-4 PH Stainless	
<b>INTERNALLY AMPLIFIED UNITS (Optional)</b>	Outputs Available .....	0-5VDC, 4-20mA
	Additional Length.....	1.12" (28.5 mm)

**NOTES** \*Gage pressure units greater than 500 psi (35 bar) are sealed at atmospheric pressure.

## General Information

How to order (See Pg. AP-19)  
 Gage/Absolute pressure selection flow chart (See Pg. PR-1)

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传真：0755-83376182 (0) 13902971329 MSN: [SUNS8888@hotmail.com](mailto:SUNS8888@hotmail.com)

邮编：518033 E-mail:[szss20@163.com](mailto:szss20@163.com) QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

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上海分公司：上海市北京东路 668 号上海赛格电子市场 2B35 号

TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382