

Operating Pressure	Mfrs. List No.	Order Code	Price Each		
			1+	10+	25+
<b>Low Pressure</b>					
0 to 5" H <sub>2</sub> O	SDX005IND4	<b>434-6063</b>	6,125.00	5,153.00	4,852.00
0 to 10"H <sub>2</sub> O	SDX010IND4	<b>434-6075</b>	4,056.00	3,724.00	3,439.00
<b>Standard Pressure</b>					
0 to 15 psia	SDX15A2	<b>674-114</b>	2,284.00	2,207.00	2,119.00
0 to 1 psig	SDX01G2	<b>674-126</b>	2,284.00	2,233.00	--
0 to 1 psid	SDX01D4	<b>674-138</b>	2,284.00	2,207.00	2,119.00
0 to 5 psig	SDX05G2	<b>674-140</b>	2,284.00	2,207.00	2,119.00
0 to 5 psid	SDX05D4	<b>674-151</b>	2,261.00	2,185.00	2,157.00
0 to 15 psig	SDX15G2	<b>674-163</b>	2,261.00	2,185.00	2,098.00
0 to 15 psid	SDX15D4	<b>674-175</b>	2,284.00	2,207.00	2,119.00
0 to 30 psig	SDX30G2	<b>674-187</b>	2,402.00	--	--
0 to 30 psid	SDX30D4	<b>674-199</b>	2,261.00	2,185.00	2,098.00
0 to 100 psig	SDX100G2	<b>674-205</b>	2,284.00	2,207.00	2,119.00

**Temperature Compensated Sensors - SCX Series**



H=25.4, W=27.9, D=26.2, Pressure ports O/D=4.83, Fixing centres=21.6, Pin spacing=2.54

Reference V<sub>s</sub>  
Reference Temp  
Supply voltage, V<sub>s</sub>  
Linearity & hysteresis

Repeatability  
Span shift with temp (0°C to 70°C)

Offset shift with temp (0°C to 70°C)

Output impedance  
Operating temp range  
Offset calibration

This low cost range is designed for applications where the user can typically provide fine adjustment of zero and span in external circuitry.

- Very tight offset and full scale calibration
- Guaranteed temperature compensation to max 1% over a 70°C temperature range
- For non-corrosive, non-ionic fluids, eg. dry gases
- Rugged plastic package
- Differential types can be used for gauge or differential pressure measurement

12V dc  
25°C  
+30Vdc max.  
0.1% FS typ, 0.5% FS max (precision)  
0.2% FS typ, 1% FS max (low cost)  
0.2% FS typ, 0.5% FS max (precision)  
0.2% FS typ, 1.0% FS max (precision)  
0.4% FS typ, 2.0% FS max (low cost)  
±0.1mV typ, ±0.5mV max (precision)  
±0.2mV typ, ±1.0mV max (low cost)  
4kΩ typ  
-40°C to +85°C  
0 ± 0.3mV (precision), 0 ± 1.0mV max (low cost)

212337

Pressure	Order Code	Price Each		
		1+	10+	25+
0 to 15 psia	<b>414-839</b>	3,008.00	2,751.00	2,554.00
0 to 1 psid	<b>414-840</b>	3,008.00	2,751.00	2,554.00
0 to 15 psid	<b>414-852</b>	3,008.00	2,751.00	2,554.00
0 to 15 psia	<b>414-864</b>	3,852.00	3,540.00	3,280.00
0 to 1 psid	<b>414-888</b>	3,852.00	3,540.00	3,280.00
0 to 5 psid	<b>414-890</b>	3,852.00	3,540.00	3,485.00
0 to 15 psid	<b>414-906</b>	3,852.00	3,540.00	3,280.00
0 to 30 psid	<b>414-918</b>	3,852.00	3,540.00	3,323.00
0 to 100 psid	<b>414-920</b>	3,852.00	3,540.00	3,280.00
0 to 150 psid	<b>414-931</b>	3,852.00	3,540.00	3,280.00

**Temperature Compensated Sensors**

- 26 PC Series



Differential:  
H=8.0 (excl. pins),  
W=12.7, D =34.4,  
Pressure ports O/D=5.1

Gauge:  
H=8.0 (excl. pins),  
W=12.7, D=21.8,  
Pressure port O/D = 5.1

Connections (2.5 spacing)  
1=Vs (+) (notched pin) 2=output (+)  
3=Ground (-) 4=output (-)

- Calibrated null and span
- Temperature compensated for span
- Can be used to measure vacuum or positive pressures in air, gas or liquids

Miniature low cost pressure sensors with compensated outputs. Wet/wet capability of the sensor incorporates a seal either side of the diaphragm, one of which is a unique conductive seal offering improved reliability for the product range.

Supply voltage 10v dc(nom) Input resistance 7.5kR  
16v dc(max) Output resistance 2.5kR  
Null offset ±1.5mV Temperature range -40°C to +85°C  
Linearity 0.25% span (0-50°C compensated)  
Sensitivity shift (0-50°C) ±1.0% span Media Wet or dry, compatible with polyetherimide, silicon and  
Repeatability and hysteresis 0.2% span  
Response time 1ms (max.)

212231

Differential	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
0 to 1 psid	26PCFA6D	<b>731-742</b>	1,540.00	1,427.00	1,414.00	1,400.00
0 to 5 psid	26PCBFA6D	<b>731-754</b>	1,540.00	1,479.00	1,396.00	1,380.00
0 to 15 psid	26PCCFA6D	<b>731-766</b>	1,540.00	1,479.00	1,396.00	1,380.00
0 to 30 psid	26PCDFA6D	<b>731-778</b>	1,540.00	1,517.00	--	--
<b>Gauge</b>						
0 to 1 psig	26PCFA6G	<b>731-780</b>	1,540.00	1,427.00	1,414.00	1,400.00
0 to 5 psig	26PCBFA6G	<b>731-791</b>	1,540.00	1,479.00	1,396.00	1,380.00
0 to 15 psig	26PCCFA6G	<b>731-808</b>	1,540.00	1,479.00	1,396.00	1,380.00
0 to 30 psig	26PCDFA6G	<b>731-810</b>	1,499.00	--	--	--

**Pressure Transducers and Transmitters**

**Transducers, 0.5 - 4.5V Output**

Low Profile - HCX Series



H=13, W=35, D=39 (including ports)  
Pressure Port O/D=5

Connections  
1 Voltage output  
2 Internal connection  
3 -V<sub>s</sub> (GND)  
4 Internal connection  
5 +V<sub>s</sub>  
6 Internal connection

- Compensated, calibrated and amplified pressure transducers
- Small low-profile package with in-line pinning for easy PCB mounting
- Internal voltage regulation allows a calibrated output for a supply voltage ranging from 4.8 to 15V
- Suitable for measuring differential gauge and absolute pressures
- Designed for use with non-corrosive, non-ionic media eg. dry air and gases

Supply voltage 4.8V to 15V dc  
Output 0.5 to 4.5V  
Full scale output (FSO) 4.5V ± 50mV  
Operating temperature range -10°C to +70°C  
Linearity and hysteresis (BSL) 0.5% max  
Zero pressure output 0.5V ± 50mV  
Thermal stability ±5 mBar devices 0.2% FSO/°C (0°C TO +50°C)  
at 50 mBar 0.12% FSO/°C (0°C TO +50°C)  
at 100 mBar 0.10% FSO/°C (0°C TO +50°C)  
at other pressures 0.05% FSO/°C (0°C TO +50°C)  
Long term stability (1 yr) ±0.20% FSO typ.  
Proof pressure 350 mBar  
5-20 mBar devices 1.40 Bar  
at 50/100/350 mBar 2 rated pressure  
at 1 Bar and 5 Bar

212183

Operating Pressure	Mfrs. List No.	Order Code	Price Each		
			1+	10+	25+
0 to +/-5 mBar	HCXPM005D6V	<b>306-9540</b>	6,497.00	5,097.00	5,095.00
0 to 10 mBar	HCXM010D6V	<b>306-9552</b>	6,497.00	5,097.00	5,095.00
0 to +/-10 mBar	HCXPM010D6V	<b>306-9564</b>	6,433.00	5,998.00	--
0 to 20 mBar	HCXM020D6V	<b>306-9576</b>	6,497.00	5,097.00	5,095.00
0 to 50 mBar	HCXM050D6V	<b>540-638</b>	4,949.00	3,920.00	3,918.00
0 to 100 mBar	HCXM100D6V	<b>540-640</b>	4,998.00	3,920.00	3,901.00
0 to 350 mBar	HCXM350D6V	<b>540-651</b>	4,949.00	3,920.00	3,901.00
0 to 1 Bar	HCX001D6V	<b>540-663</b>	4,998.00	3,920.00	3,688.00
0 to 5 Bar	HCX005D6V	<b>540-675</b>	4,998.00	3,920.00	3,918.00
0 to 1 Bar absolute	HCX001A6V	<b>540-687</b>	4,998.00	3,920.00	3,918.00

**Transducers & Transmitters - PTE2000**

Stainless Steel Housing



Connections: PTE...G4A Series  
As PTE G1A Series except Pin 2 - No connection

Connections: PTE...G1A Series  
Brown (pin 1) +V<sub>s</sub>  
White (pin 2) +Vout  
White + shield (pin 3)=Case  
Yellow (pin 4)=-V<sub>s</sub>

L=62.0 (body excl. connector),  
Cable L=2m

Dia=31.8 (25.4 across flats), Fitting 3/8" NPT

- Fully temperature compensated and signal conditioned gauge pressure transducer
- Choice of high-level voltage output or a 4 to 20mA to 20mA output
- Rugged stainless steel housing
- Designed for the measurement of hostile media in harsh environments
- Internal voltage regulator allows use of unregulated power sources
- Right-angle plug-in connector gives protection to IP67 and reduces installation and maintenance time

Series Voltage Output Current Output  
Reference VS 15V  
Operating temperature range -40°C to +100°C  
Linearity and hysteresis ±0.5% FS max  
Repeatability 0.10% FS typ.  
Shift with temperature  
0°C to +70°C ±1.5% FS max.  
-40°C to +125°C ±2.0% FS typ.

Sensors & Transducers

24

Compliant  
Non-compliant  
+ Limited stock - RoHS replacement available  
**RoHS**