



Precision Refrigeration Pressure Transducers: PSens 1% Accuracy.

PSens(A) : 0-100psia , 0-700kPa absolute**

PSens(L) : 0-100psig , 0-700kPa gauge

PSens(H) : 0-500psig , 0-3500kPa gauge

Psens transducers are of stainless steel construction for use in all refrigeration applications including freon and ammonia types. Three ranges are available. The sensors are suitable for suction, discharge and oil pressure monitoring.

The Pressure port is a Male SAE 1/4" Flare. (With a 7/16"-20 SAE thread).

Psens transducers are specifically suited to Presscon Network applications. The output is a linear 1-6 volt DC.

When wired to a Presscon 8 Channel Sensor board simply set the switch to *pressure* and the system is ready to monitor the sensor. Please note: The 32 Channel Presscon Sensor card is **NOT** designed to accept Pressure Transducer Signals.

When used with Presscon, PSens(L) and PSens(H) types are programmed as such. PSens(A) type is programmed as Custom with 1V = -100kPa (-14psi) and 6V = 590kPa (85psi).

ELECTRICAL

Wire as follows: #1 +12V (P terminal), #2 to ground (G terminal), #3 to signal (1-8 terminal). (Cables are marked with numbers). If extended the cable must be shielded with the shield connected to earth at one end. The nominal Power supply is 12V from the PB60.

MECHANICAL

Body Diameter	42mm
Length (Excluding exit cable)	70mm approx.
Cable Length	1500 mm

SPECIFICATIONS

RANGE:

PSens(A)**	0-100psia	0-700kPaa
PSens(L)	0-100psig	0-700kPag
PSens(H)	0-500psig	0-3500kPag

OVERLOAD:

Without Damage:

PSens(A)**	200psia	1400kPaa
PSens(L)	200psig	1400kPag
PSens(H)	750psig	5200kPag

Without Burst:

PSens(A)**	1000psia	6900kPaa
PSens(L)	1000psig	6900kPag
PSens(H)	2500psig	17300kPag

SIGNAL OUTPUT:

1 - 6 Volt dc.
1 volt at zero reading.

SPAN:

5 +/- 0.1 Volt dc @ 25°C.

NULL OFFSET:

1.0 +/- 0.15 Volt dc @ 25°C.

EXCITATION:

12 to 30 Volt DC
(A model 8-20 V DC)

** Absolute gauge model for ammonia available on indent order only.

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