# Senther P1601

## Heavy Industry & General Purpose Pressure Transducer

## Performance

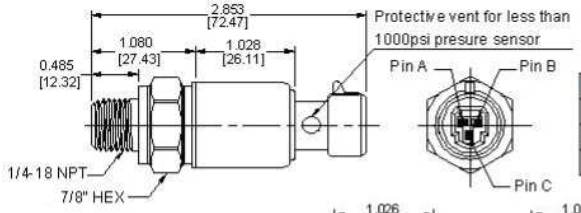
Pressure range(FS) .....100~20000 psi
Accuracy(BFSL) ..... ±0.5%
Error ..... ±2.0% FS TEB
Zero offset ..... ±1.0% FS
Stability(typical) ..... ±0.35% FS/year
Load resistance ..... >10Kohm

## Environmental

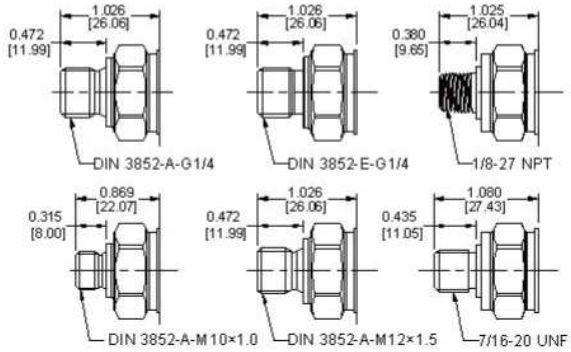
Compensated temperature ..... 0 to 85°C
Operate temperature ..... –10 to 100°C
Storage temperature ..... –20 to 125°C
Burst pressure ..... 3.5 * FS
Proof pressure ..... 2 * FS
Wetted parts .....17-4PH SS
Connector .....Packard
Vibration limit ..... 20 g@10~2000Hz
Shock limit ..... IEC 60068-2-27, 30 g, 11 ms pulse
Pressure cycles ..... 4 million FS cycles
Sealing .....IP65 (IEC60529)

## Electrical

| Output type | B (Ratiometric) | C (4~20mA) | D (1.0~5.0VDC) | E (0.5~4.5VDC) | F (0~10VDC) | G (0~5VDC) |
|---|---|---|---|---|---|---|
| Supply Voltage | 4.75 ~ 5.25 VDC | 9 ~ 32 VDC | 8 ~ 32 VDC | 8 ~ 32 VDC | 12 ~ 32 VDC | 8 ~ 32 VDC |
| Output | 0.5 ~ 4.5 VDC | 4 ~ 20 mA | 1.0 ~ 5.0 VDC | 0.5 ~ 4.5 VDC | 0 ~ 10 VDC | 0 ~ 5 VDC |
| Supply Current | < 3 mA | < 30 mA | < 3 mA | < 3 mA | < 12 mA | < 3 mA |
| Zero Output | 0.5 VDC | 4 mA | 1.0 VDC | 0.5 VDC | 0 VDC | 0 VDC |
| Full Scale Output | 4.5 VDC | 20 mA | 5.0 VDC | 4.5 VDC | 10 VDC | 5 VDC |




| Type | B | C | D | E | F | G |
|---|---|---|---|---|---|---|
| Pin A | Supply- | Output | Supply- | Supply- | Supply- | Supply- |
| Pin B | Supply+ | Supply+ | Supply+ | Supply+ | Supply+ | Supply+ |
| Pin C | Output | NC | Output | Output | Output | Output |




## Features

- Gauge Pressures
- Stand high vibration
- 2.0 % Total Error Band
- Packard connector
- ASIC Temperature Compensated

## Application

- Process Automation & Control
- Test and Measurement
- Energy Management
- Heavy industry
- Plastic and Alloy injection machines

## Ordering Information

P1601B-10-A

- Range(0.1/0.25/0.5/1/2.5/5/10/15/20 in Kpsi)

Output type:
B=0.5~4.5V(Ratiometric)
C=4~20mA
D=1.0~4.5V
E=0.5~4.5V
F=0~10V
G=0~5V
X=Special

Port type:
A=1/8-27 NPT
B=1/4-18 NPT
C=DIN3852-A-G1/4
D= DIN3852-E-G1/4
E= DIN3852-A-M10*1.0
F= DIN3852-A-M12*1.5
G=7/16-20 UNF
X=Special