



CustomControlSensors

Dual Snap®

Pressure, Temperature and Liquid Flow

www.ccsdualsnap.com

GEN 3 Pressure Transducers

CCS GEN 3 pressure transducers utilize advanced strain gage sensor technologies to achieve ultra-stable, high accuracy pressure measurements to meet the aviation industries demanding requirements. CCS pressure transducers are used to provide precision monitoring of aircraft pneumatic and fluid systems. Using common components CCS' technology can be configured to meet different specifications for absolute, gage or differential pressure measurement; or Delta-P flow measurement.



Features

- Absolute, gage or differential pressure measurement; Delta-P flow measurement
- Strain Gage Sensing Technologies: MEMS or Thin Film
- Digital signal conditioning significantly reduces hysteresis and improves linearity over a wider temperature range
- Amplified output provides a clean signal to system controller in VDC or mA
- Hermetic all-stainless steel construction
- RTCA/DO-160G Qualified

Benefits

- High accuracy: $\pm 1\%$ full scale or better
- Pressure range: 0 up to 11,000 PSI (higher pressure ranges available)
- Operating temperatures: -67°F to 257°F (-55°C to 125°C)
- Measure any type aircraft media
- High Shock & Vibration Resistant
- EMI, RFI, and Lightning Protection

Custom Control Sensors (CCS) Experience

CCS has been designing, testing and manufacturing pressure, temperature, and liquid flow measurement products for the aerospace market for over 60 years. Known for innovation and quality, CCS can provide solutions for the most demanding aircraft requirements.

Global Office Headquarters
21111 Plummer Street
Chatsworth, California 91311
Tel: +1 818.341.4610
switchnet@ccsdualsnap.com

TRG Series
(Gage)



TRD Series
(Differential)



TRA Series
(Absolute)



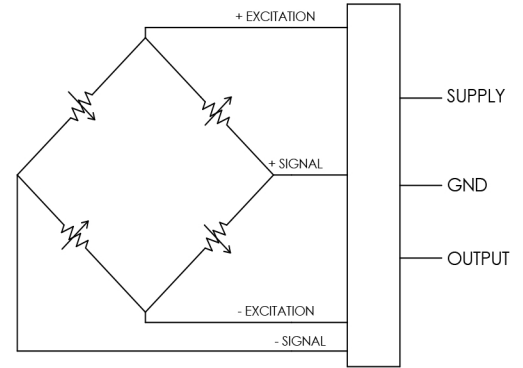
TRA Series
(Absolute)



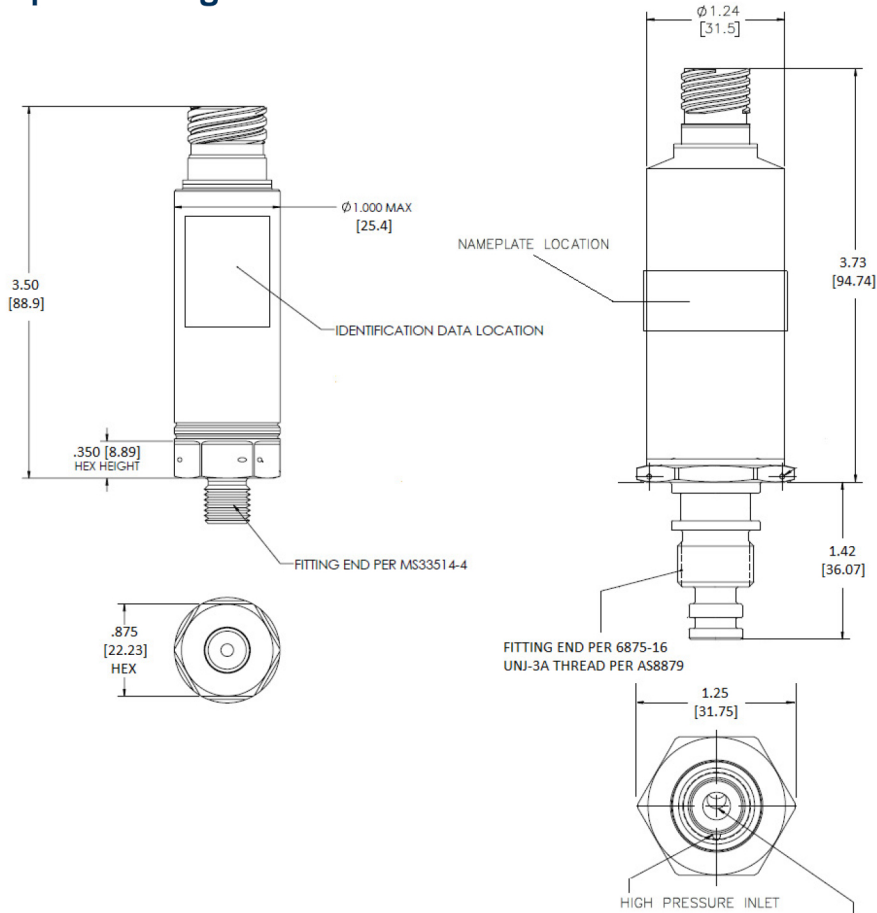
Specifications

- Operational Pressure Range: 0 to 5,200 PSI (higher pressure ranges available)
- Proof Pressure: 2X rated pressure
- Burst pressure: 3X rated pressure
- Operational Temperatures: -67°F to 257°F (-55°C to 125°C)
- Excitation Voltage: 10 to 32 VDC
- Full Scale Output:
0.5 to 7 VDC
4 to 20 mA
- Accuracy: ±1% Full Scale
- Dielectric/IR: 500 VDC

Wiring Schematic - Wheatstone Bridge



Standard Envelope Drawings:



Absolute/Sealed Gage

Differential