



## ASDH Pressure Strap Transducer Datasheet

### Mechanical

Material: Stainless Steel Construction with Aluminum Electronics Housing  
 Connector Customer Specified Connector  
 Pressure Range: Only limited by Customer's Equipment (Passive Measurement)  
 Overload: Only limited by Customer's Equipment (Passive Measurement)

### Electronic Certifications

Intrinsically Safe Certified by Electronics Manufacturer  
 Locations: Zone 1 when used with an approved safety barrier.

### Electrical

Supply Voltage 10-28 VDC  
 Current Requirement/Output: 4 -20 mA  
 Output: 2 wire current loop  
 Accuracy: 2-3% Full Scale  
 Stability: (1 Year)  $\pm 0.25\%$  FS, typ  
 Zero Offset:  $< \pm 1\%$  of FS  
 Span Tolerance:  $< \pm 2\%$  of FS  
 Output Load: 0-800 Ohms @ 10-28VDC

### Temperature

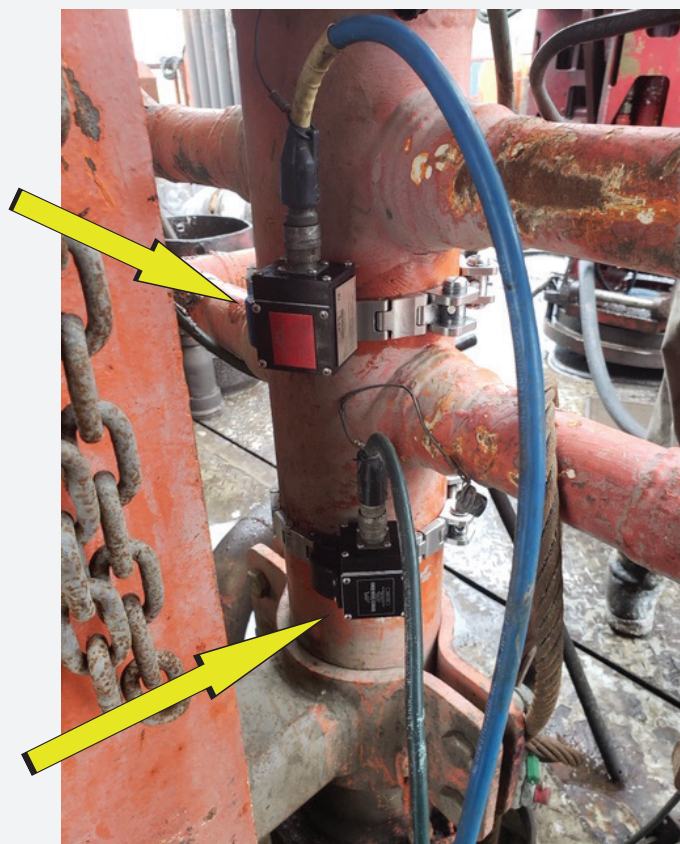
Operating: -40 to 85°C (-40 to 185°F)  
 Storage: -40 to 100°C (-40 to 212°F)

### Thermal Limits

Compensated Range 0 to 55°C (30 to 130°F)  
 Temp. Comp. Zero:  $< \pm 1.5\%$  of FS  
 Temp. Comp. Span:  $< \pm 1.5\%$  of FS

### Other

Shock: 100G, 11 msec, 1/2 sine  
 Vibration: 10G peak, 20 to 2000 Hz.  
 EMI/RFI Protection: Yes  
 Rating: IP-66  
 Reverse Polarity Protection: Yes



Community Design No. 0014168120-0001-0002  
 Design Patent No: D718,163  
 Design Patent No: D718,164  
 Chinese Design Patent No: ZL201430227096.6  
 Other Patents Pending

1. The unit is Intrinsically Safe. 4-20 mA standard output pressure transducer.
2. Stainless Steel Strap with Aluminum Housing
3. Connector – Client Specified
4. IS certification to ATEX in place, Canadian and AEx (US) Certs are planned.
5. Pressure rating specified by client and is only limited by Client's Equipment.