



# Downhole Sensor Technical Specifications

## Performance Specifications:

- Accuracy:  $\pm 1.0\%$
- Repeatability:  $\pm 0.07\%$
- Hysteresis:  $\pm 0.2\%$
- Stability:  $\pm 0.5\%$ /year
- Durability:  $\sim 10^8$  cycles
- Response Time:  $< 5$  msec
- Temperature Limits:  $-20$  to  $180^\circ\text{F}$
- Thermal Coefficient:  $\pm 0.40\%$  F.S./ $^\circ\text{F}$
- Shock:  $< 0.05\%$  F.S. @  $100$  g's
- Position Effect:  $< 0.01\%$  F.S.
- Humidity: No performance Effect at 95% relative humidity, noncondensing
- Vibration Sweep:  $< 0.1\%$  F.S. effect for  $0-2000$  Hz @  $20$  g's in any axis



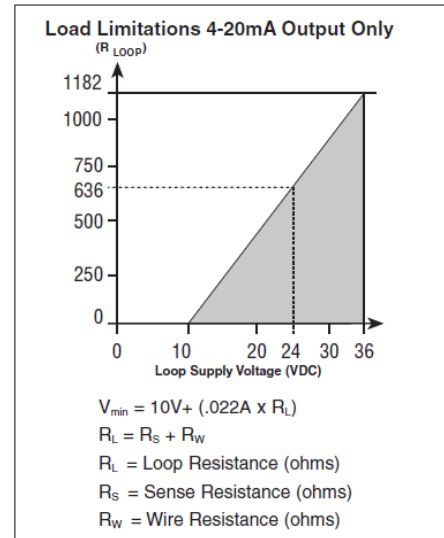
## Technical Specifications:

### Cable

- Insulation: Polyethylene
- Diameter: 0.30 in OD
- Conductor: 18 AWG BC
- Drain: 20 AWG TC
- Tape: Alum Mylar
- Armor: Unarmored, 304 SS Braided
- Weight: .08125, .0375 lb/ft

### Sensor

- Diameter: 1 in OD
- Accuracy:  $\pm 1\%$
- Signal: 4-20 mA (2 Conductor)
- Supply Voltage: 10-36 Vdc Unregulated



	<u>Range</u>	<u>Proof</u>	<u>Range</u>	<u>Proof</u>
• Models:	0-165 psi	1,000 psi	0-1,000 psi	2,000 psi
	0-330 psi	2,000 psi	0-1,500 psi	4,000 psi
	0-500 psi	1,000 psi	0-2,000 psi	4,000 psi
	0-750 psi	1,500 psi		

