

## M3 - Low Temperature Continuous Monitoring Tool

The M3 Sensor is designed for pressures of less than 5,000 psi (34.5 kpa) and temperatures less than 85°C (185°F). Utilizing MEMS sensors technology, the M3 sensor is the answer for wells where a cost effective solution is necessary.

Constructed of 316 stainless steel in an all welded design, the M3 sensors feature hermetically sealed electronics under vacuum to ensure extreme longevity.

### FEATURES

- Real Time Surface Readout
- Robust Telemetry
- Low Power Consumption
- Compact Size
- Accurate High Quality Data
- Electron Beam welded sensor
- No Elastomers
- Vacuum sealed electronics

### APPLICATIONS

- Monitoring of Real-Time Downhole Pressure
- Production Optimization
- Fluid Level Monitoring
- Production Testing Substitute
- Horizontal Interface Testing
- Build-up Data
- Input for Pump Control



## M3 Sensor Specifications

SPECIFICATIONS		
General	Approximate Length with cable head	14.5 inches (36.83 cm)
	Diameter	7/8 inches (2.22 cm)
	Cable Heads	Tube wire
	Housing Material	Stainless Steel 316
	Diaphragm Material	Stainless Steel 316
Pressure	Sensor	MEMS Piezo Resistive
	Standard Ranges	up to 5,000 psi (34,474 kpa)
	Maximum Over	5% full scale
	Differential	Full scale
	Accuracy	0.05% full scale
	Long Term Stability	0.1% full scale
	Drift	Less than 3 psi per year
	Resolution	0.0003% full scale
Temperature	Response Time	Instantaneous
	Standard Ranges	0°C to 85°C
	Accuracy	± 1.0°C
	Repeatability	± 0.2°C
Power	Resolution	0.001% full scale
	Source	On site
	Voltage	18 VDC
	Current	Up to 5 mA continuous



Part Number	
TL-0021-001-0875-S31600-PP-TTT	Temperature in °C
	Pressure x 1,000 psi

Please note that specifications and drawings are subject to change without notice.