

PPS31M Multi-Channel Wellhead Pressure Logger

The **PPS31M Multi-Channel Wellhead Pressure Logger** is integrated with either two Silicon-Sapphire or Quartz pressure transducers, one RTD temperature probe (optional), one radio data transmitter (optional) and PPS SMT electronics circuit. It is a good choice for applications where high data quality is required.

Applications:

- Gas Wellhead Build-up Tests
- Stimulation Monitoring
- Pipeline Monitoring
- Fracture Monitoring
- Wellhead Monitoring
- Injection Pressure Monitoring
- Perforation Monitoring



Sensor Type	Piezo/RTD	Quartz/RTD
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Pressure

Range-psi	Up to 20 kpsi	Up to 20 kpsi
Pressure Channels	2	2
Accuracy-psi	± 0.03% FS	± 0.02% FS
Resolution-psi	<0.1 psi	<0.01 psi
Temperature Accuracy	± 0.5	± 0.2
Temperature Resolution	<0.01	<0.005

Temperature

Sensor Type	RTD (Pt1000)	RTD (Pt1000)
Rating-°C	-50 (-58 °F) to 200 (392 °F)	-50 (-58 °F) to 200 (392 °F)
Accuracy-°C	± 0.5	± 0.2
Resolution-°C	0.01	<0.005

Characteristics

Service	Sour Services
Power Source	Lithium Battery Pack
Data Set	Time / Pressure / Temperature / RTD
Data Receiving	Wireless (915/868 MHz, ISM)
Transmission Distance	328' (100 m)
Work Mode	MRO
Sample Rate	1s-18hr/sample
Memory Capacity	16,000,000 data sets
SD Card Capacity	20 million data sets
Connection	½" NPT / Autoclave
Safety Rating	Class I Division 1 Group A, B, C and D, T4 Ex ia IIC T4 (-40 °C-55 °C)

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LCD Display environmental temperature is -20 °C-70 °C

