

Pioneer Petrotech Services Inc.



PPS63

RTD-CCL Gauge

www.pioneerps.com

Overview of PPS63 RTD-CCL Gauge

Memory and Surface Readout Modes

The PPS63 RTD-CCL Gauge with its highly accurate RTD probe measures immediate temperature gradients while also measuring pressure and locating casing collars by CCL (casing collar locator).

The gauge can be run in tandem with a depth measurement system, such as the PPS36 DepthWatcher which will enable the user to record line tension, speed and depth in conjunction with downhole data from the gauge.

System Applications

- Locate tubing damage such as corrosion holes or leaks
- Locate small casing leaks
- Monitor the efficiency of artificial lift valve systems
- Record accurate static and flowing temperature readings
- Determine crossflow over multiple comingled intervals



SRO Surface Box



PPS36 DepthWatcher



Specifications

PPS63 RTD & CCL Gauge Memory and Surface Readout Modes

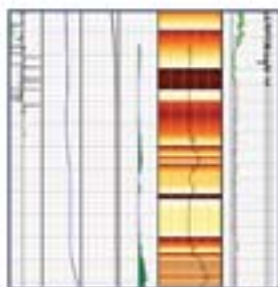
Sensor Type	Peizo/RTD
Pressure Range-psi	Up to 15 kpsi
Accuracy-psi full scale	± 0.03%
Resolution-psi	0.0003%
Temperature Rating-°C	150 (302 °F) 177 (350 °F)
Accuracy-°C	± 0.5
Resolution-°C	0.01
Service	H2S Services
Power Source	2.7 - 3.9 VDC, Lithium Battery Pack
Power Consumption	Operation current 2.5 mA
Communication	USB / RS232
Data Set	Time / Pressure / Temperature / RTD / CCL
Max Outside Diameter-inches	1.5 (38 mm)
Overall Length-inches	33.5 (851 mm) Memory tool 48.6 (1,234 mm) SRO tool
Housing Material	Inconel X-750 Inconel 718
Sampling Rate	0.1 second to 1.8 hours per sample
Memory Capacity	1,000,000 data sets standard, larger memory optional
Communication Interface	USB
Communication Rate	115,200 bits/s

Surface SRO Interface

Data Transmission Rate	9,600 bits per second via standard electrical cable
Data Transmission Distance	Up to 7,000 meters via standard electrical cable
Compatibility	Warrior 8 and up
Communication Port	USB 2.0 to PC
Power Input	100 - 240 VAC
Surface Unit Power Output	+60 VDC
Working Temperature	-40 °C (-40 °F) to 85 °C (185 °F)
Humidity	90%
Condensation	No
Material	Aluminum
Connectors	1 AC Power, 1 DC Power, 1 USB Port and 1 Gauge Interface



Smart Gauges and Simple Software



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