

The GOWELL Quartz Pressure tool (QPS) measures pressure and gauge temperature using a leading industry precision quartz crystal pressure transducer. The high accuracy pressure measurements are fully compensated for temperature with a thermally coupled quartz temperature crystal. The fast response is ideal for precision draw-down and build-up reservoir pressure testing.

FEATURES

- Built-in temperature tool corrects for changes in the pressure reading due to temperature
- Fast response to small changes in fluid temperature
- Fully combinable with Pegasus production logging tools
- Surface read out or memory logging operations
- Sour Service / NACE MR075 compliant injectors

APPLICATIONS

- Provides fast and accurate pressure measurements.
- Pressure gradient measurement
- Draw-down and build-up pressure transient analysis
- Flow Profile

SPECIFICATIONS

QPS43J-A	
P/N 300001494	
GENERAL SPECS	
Temperature Rating	347°F (177°C)
Pressure Rating	14,500 PSI (100 MPa)
Tool Diameter	1-11/16 in (43 mm)
Tool Length	19.01 in (482 mm)
Tool Weight	12.1 lbs (5.5 Kg)
Supply Voltage	+18V DC
Current Consumption	20 mA
Telemetry	Pegasus Star
Material	Inconel 718
PRESSURE	
Max total/Combined Error	0.02% FS
Resolution	100Pa or 0.015psi
Response Time	<1 sec for 99.5%
Aging	<3 psi/year
Accuracy	0.05% of FS (50kPa / 7 psi)
TEMPERATURE	
Accuracy	0.15°C Typical
Resolution	< 0.005°C
Aging	< 0.16°C/year
Reference Clock(Aging)	<2 ppm/year