INTELLEX™ HPHT QUARTZ GAUGE - 1 1/4 & 1 3/8 IN.

SKU: SEN-0010-0177, SEN-0010-0356 and SEN-0010-0166
Categories: Advanced Monitoring, Downhole Gauges, Downhole Instrumentation, Gauges, IntelleX™

PRODUCT DESCRIPTION

The Intellex™ HPHT Quartz Memory Gauge is a slickline, e-line, or coiled tubing conveyed PT Gauge, available in various ODs and pressure ratings for a range of applications. Memory capacity is 8 MB and up to 1.4 Million data sets for more than 400 days of continuous recording at 2 samples/min.

Ratings & Dimensions

Part number	SEN-0010-0356		SEN-0010-0177	SEN-0010-0166
Max temperature	350°F (177°C)			
Max pressure	20,000 psi (137.9 MPa)		25,000 psi (172.4 MPa)	30,000 psi (206 MPa)
Outer diameter	1.25 in (32.0 mm)		1.375 in (34.9 mm)	
Length	2.44 ft (0.74 m)			
Weight	15 lb (6.8 kg)		15.6 lb (7.07 kg)	
Measure point	2.7 in (68.58 mm) from bottom of tool			
Materials	Inconel 25k psi & MP35N 30k psi rated (NACE MR-10-75 Compatible)			
Connections	Top/Bottom 15/16in x 10UN (5/8in Sucker Rod)			

Measurements

Memory Capacity	8 MB for up to 1.4 Million data sets >2 days (P/T @ 8 samples/sec) >13 days (P/T @1 sample/sec) >400 days (P/T @ 2 samples/min)			
Acquisition mode	Memory			
Max Operating Life	200 hrs@ 200°C(392°F)	1000 hrs@ 175°C(347°F)	2000 hrs@ 165°C(329°F)	4000 hrs@ 150°C(302°F)
Primary Output	Pressure			

Secondary Output Temperature

Pressure Measurements

Range	15,000 psi (103.4 MPa)
Accuracy	0.02% FS
Resolution	< 0.1 psi
Drift	0.02% FS per year

Electrical Specifications

Voltage	3 – 9 Vdc 5 Vdc power supplied via USB (programming & data upload) 7.3 Vdc power supplied via 2 x "C" cell battery pack
Current Consumption	< 2 mA (standby) < 6 mA (sampling)
Power Requirements	2 X 'C' Lithium Batter 7.34V (> 10 days operation @ 1 sample/ sec) 6.5Ah

Version Control: 2021.12.14

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.

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