

INTELLEX™ ULTRA-FAST GAUGE - 1 & 1 2/7 IN.



SKU: SEN-0010-0058, SEN-0010-0122 and SEN-0010-0120
Categories: [Cased Hole Wireline](#), [Intellex™](#), [Perforating](#), [PTX](#), [Ultra-Fast Gauges](#), [Well Intervention](#)

PRODUCT DESCRIPTION

The Intellex™ Ultra-Fast Gauge is a battery powered instrument designed to record pressure, temperature and acceleration data at extremely high sampling rates in order to capture pressure transient events typical of downhole perforating operations.

Ratings & Dimensions

	SEN-0010-0058	SEN-0010-0122	SEN-0010-0120
Max temperature	347°F (175°C)		
Max pressure	15,000 psi (103.0 mPa)	20,000 psi (137.9 mPa)	25,000 psi (172.0 mPa)
Outer diameter	1.0 in (25.4 mm)	1.29 in (32.7 mm)	
Length	21.0 in (533.0 mm)	21.6 in (548.6 mm)	
Materials	Corrosion resistant materials used throughout		
Connection	3/4 in UNF (1/2 in Sucker Rod)		

Sampling

Slow	All Channels - 8 samples/sec to 30 min/sample
Intermediate	10 samples/sec to 1,250 samples/sec
Ultra-Fast	Pressure - 40,000 samples/sec
Acquisition mode	Temperature & Acceleration - 2,500 samples/sec
Memory Capacity	Memory
	8 MB standard (1.4 million data points)

Pressure Measurements

Stability	± 0.3% FS per 3 months
Accuracy	± 0.15% < 175°C

Resolution 0.01 psi @ 10,000 & 1 sample/sec
0.15 psi @ 10,000 psi & 40,000 samples/sec

Temperature Measurements

Stability 175°C for 500 hours
Accuracy $\pm 0.5^{\circ}\text{C}$
Resolution 0.01°C @ 150°C, 1 sps or 0.15°C @ 150°C, 2,500 sps

Acceleration Measurements

Accuracy $\pm 250\text{g}$
Resolution $< 0.2\text{g}$

Electrical Specification

Power 2 X 'AA' Lithium Batteries, 1.6 Ahr, 6-8 Vdc
150C & 180C (+ optional 200C battery available, 1.1 Ahr)
Battery Life Up to 20 days @ 1 sample/sec
Up to 2 days @ 40,000 samples/sec

Gauge Carrier Options

SEN-0010-0036 Single Gauge Carrier 1¹¹/₁₆" Stub Acme Pin up
SEN-0010-0025 Dual Gauge Carrier 2 ³/₈" Acme Pin up
SEN-0010-0118 Dual Gauge Carrier 2 ³/₈" EUE Box up

Version Control: 2022.02.28

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