

# 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

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

### Sampling

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

### Pressure Measurements

<b>Stability</b>	± 0.3% FS per 3 months
<b>Accuracy</b>	± 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** ± 0.5°C  
**Resolution** 0.01°C @ 150°C, 1 sps or 0.15°C @ 150°C, 2,500 sps

## Acceleration Measurements

**Accuracy** ± 250g  
**Resolution** < 0.2g

## 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 1<sup>11</sup>/<sub>16</sub>" Stub Acme Pin up  
**SEN-0010-0025** Dual Gauge Carrier 2 <sup>3</sup>/<sub>8</sub>" Acme Pin up  
**SEN-0010-0118** Dual Gauge Carrier 2 <sup>3</sup>/<sub>8</sub>" EUE Box up

Version Control: 2022.02.28

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