Technical Specification Sheet

IntelleX™ Fast-Sampling PT/CCL - $1^{11}/_{16}$ & $1^{3}/_{8}$ in.

The IntelleX™ Fast-Sampling PT/CCL Tool is a Casing Collar Locator, piezoresistive pressure and temperature tool ideal for high resolution depth determination, BHP/gradient surveys, monitoring sliding sleeve (SSD) positioning and determining fluid movement in producing or injecting wells. The tool can be programmed to sample any or all channels at up to 32 samples per second. The 8 MB non-volatile flash memory can store up to 550,000 data sets.

Ratings & Dimensions

	SEN-0010-0022	SEN-0010-0059
Max temperature	347°F (175°C)	
Max pressure	15,000 psi (103.4 mPa)	
Outer diameter	1.69 in (43.0 mm)	1.38 in (34.9 mm)
Length	24.36 in (618.74 mm)	21.6 in (549.0 mm)
Weight	12.0 lb (5.45 kg)	6.33 lb (2.87 kg)

Hardware Characteristics

Transducer type	Piezoresistive
Housing	Corrosion resistant | 17-4PH (standard) or NACE MR-01-75
Combinability	None / Standalone
Acquisition mode	Memory
Connection	Top/bottom: $^{15}/_{16}$ in x 10UN ($^{5}/_{8}$ in sucker rod)

Electrical Specifications

Battery	1 x 'AA' cell lithium battery
Voltage (DC)	3.3 - 3.9 V, 1.6 Ahr
Memory rate	232 hrs @ 1 sps | 80 hrs @ PT 1 sps | CCL 16 sps
Memory capacity	8MB
Current	1 mA standby | 3 mA sampling
Consumption	At 1 sps > 5 days operation from a single battery

Temperature Measurements

Range	32 – 345.0 °F (0 – 175.0 °C)
Accuracy	< ±0.9°F (< ±0.5°C)
Resolution	< 0.02°F @ 1 sps (< 0.01°C @ 1 sps)

Pressure Measurements

Range	0 – 15,000 psi
Accuracy	< ±0.05% FS
Resolution	0.01 psi @ 10,000 psi & 1 sps

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