

# IntelleX™ Rugged CCL, Pressure & Fluid Temperature Tool



This tool is a combined Casing Collar Locator, Piezo-resistive Pressure and Fluid 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/ sec. The large 8 MB non-volatile Flash memory can store up to 4 million data points.

Extremely rugged design suitable for also running on coil tubing sliding sleeve shifting operations.

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## Specifications

Outside diameter	1.69"	42.9mm
Optional	1.375"	34.9mm
Length (M.U.L. excluding fish neck)	2.04 ft	0.622m
Weight	12 lbs	5.45 kg
Housing	17-4PH or NACE MR-01-75 compatible	
Maximum pressure	15,000 psi	103.4MPa
Resolution	0.01 psi at 10,000 psi and 1 sample / sec	
Maximum temperature	175°C	347°F
Resolution	<0.01°C at 1 sample / sec	
Memory capacity	8MB for up to 4 million data points 105 hrs (CCL @ 8 samples/sec & P/T @ 1 sample/sec) 60 hrs (CCL @ 16 samples/sec & P/T @ 1 sample/sec)	
Accuracy	<+/-0.05% FS (Pressure) <+/-0.5°C (Temperature)	
Top / Bottom connection	15/16" x 10UN (5/8" Sucker Rod)	
Power requirements	1 x 'AA' Lithium Battery, 3.3 - 3.9 VDC, 1.6 Ahr	
Current	500mA	
Consumption	5mA (>5 days' operation from a single battery)	

## Applications

- Depth determination
- SDD positioning
- Fluid temperature profiling

## Features

- 1 11/16" or 1 3/8" O.D.
- Extends number of applications where tool can be run (e.g. coil tubing carrier)
- High operating pressure and temperature
- Extends number of applications where tool can be run
- Large (up to 8MB) non-volatile flash memory
- Ensures no data loss in the event of battery disconnection, depletion or premature failure
- Simple to use software (Windows XP/Vista compatible) with USB connection to tool
- No external interfaces required allowing simple programming and data retrieval with fast USB upload