

INTELLEX™ MEMORY CORRELATION TOOL - 1 11/16 IN.



**SKU:** SEN-0010-0071  
**Categories:** [Cased Hole Wireline](#), [Correlation Tools](#), [Intellex™](#), [Memory](#), [Perforating](#), [PTX](#), [Well Intervention](#)

PRODUCT DESCRIPTION

The [Intellex™](#) Memory Correlation Tool (MCT) is a combined casing collar locator, gamma ray, 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

Max temperature	347°F (175°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	1.69 in (43.0 mm)
Length	5.55 ft (1,691.0 mm)
Weight	29.8 lb (13.5 kg)

Hardware Characteristics

Transducer type	Piezoresistive
Housing	Corrosion resistant   17-4PH (standard) or NACE MR-01-75
Acquisition mode	Memory
Connection	Top/bottom: <sup>15</sup> / <sub>16</sub> in x 10UN ( <sup>5</sup> / <sub>8</sub> in sucker rod )

Electrical Specifications

Battery	5 x 'C' cell lithium battery
Voltage (DC)	19.5 V, 6.2 Ahr
Memory rate	179 hrs @ 1 sps   52 hrs @ 1 sps PTGR
Memory capacity	8MB
Current	5 mA standby   54mA sampling



**Consumption** At 1 sps > 4.3 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

Gamma Ray Measurements

**Max counting rate** 3,000 cps, 4,000 API  
**API calibration** 1 CPS/API unit

Casing Collar Locator

**Range** 2 3/8 to 7 in. (60.5 to 177.8 mm)  
**Principle** Magnetic flux line

Version Control: 2022.02.28

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