



PRESSURE TEMPERATURE CAPACITANCE CCL (MCS)

MCS is a memory tool combining four sensors into a single compact module. The instrument measures pressure, temperature, capacitance water hold-up and casing collar locator (CCL).

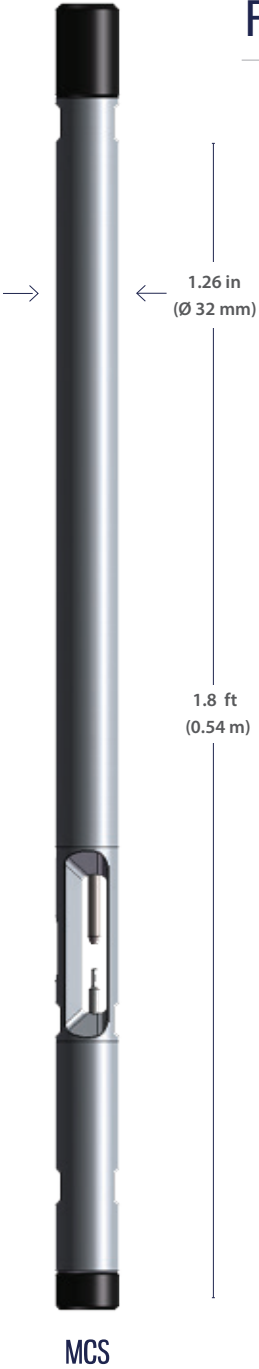
FEATURES

- Compact by combining multiple sensors into one tool
- Record the value of the sensors in the device memory
- Memory acquisition can be triggered either at a specific time or when exceeding specific pressure

APPLICATIONS

- Correlation of cased hole logs between runs and wells
- Leak Detection with high resolution temperature Log
- Identification of production and injection zones
- Location of top of cement
- Low flow rate profiling when coupled with temperature simulation analysis
- Water Hold-Up measures the dielectric constant of the surrounding borehole fluid to determine the water holdup

LOG EXAMPLE





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SPECIFICATIONS

	MCS32J-B
GENERAL SPECS	P/N 1.01.07.300004662
Maximum Operating Pressure	15,000PSI (103 MPa)
Maximum Operating Temperature	302°F (150°C)
Instrument Diameter	1.26 in (32mm)
Length	1.80 ft (0.33m)
Weight	6.60 lbs (3.0 kg)
Tensile strength	15000 lbs
Compression strength	9000 lbs
Housing Material	Titanium
PRESSURE SENSOR	
Accuracy	0.02% FS
Resolution	0.0001% FS
TEMPERATURE SENSOR	
Accuracy	0.1°C
Resolution	0.001°C
Response Time	0.4 sec
CCL SECTION	
Measurement Range	0 to 3.3V
Resolution	+ /- 2 uV
SNR (Signal to Noise Ratio)	14 dB
HOLD UP	
Resolution of Holdup	1%
Accuracy of Holdup	±2%
Range of Holdup	0~100%
MEMORY	
Capacity	100 hour (@ 1sample/sec)
Sampling	0.5 to 255 sec