

COMPACT PRODUCTION LOGGING TOOL



A Compact Production Logging Tool consists of all necessary modules and sensors to perform a quick assessment of oil producers and water injectors performance. The sensors of the tool are independently programmable through one common telemetry as per job objectives. The tool could be combined with any type of centralizer at the top and bottom connection points. The tool consists of GR, CCL, Temperature, and Pressure sensors along with Continuous Flow Meter and Fluid Phases Evaluation modules.

Applications

- MPLT in oil producers and water injectors
- Production-injection profiles evaluation
- Performance evaluation of complex well completions with SSDs
- Well integrity evaluation

Advantages

- All-In-One tool allows quick deployment and versatile application
- Suits for both WI and OP wells by powering up only required sensors
- Cost-effective compact solution for small service companies



COMPACT PRODUCTION LOGGING TOOL



GR sensor	
Measurement range	0-250 μ R/hr
Resolution	2.5 CPS
CCL sensor	
Signal-to-noise ratio	>5kHz
Dynamic range	0-3,000 mV
Temperature sensor	
Accuracy	0.1°C
Resolution	0.001°C
Response time	0.25 sec
Sensor type	Platinum/Exposed
Pressure sensor	
Resolution	0.14 PSI (0.97 kPa)
Accuracy	0.1%
Sensor type	Sapphire
Fluid Phases Evaluation module	
Capacitance measurements	0-100%
Capacitance accuracy	\pm 0.1%
Resistivity measurement error	Less than 1 ohm-m
Continuous Flow Spinner module	
Threshold	0.1 ft/min (2 m/hr)
Detectable flowrate range	19-7,548 bpd (3-1,200 m ³ /d)
General Specifications	
Maximum operating pressure	14,500 PSI (100 MPa)
Maximum operating temperature	150°C (302°F)
Tool OD	1.50/1.65 in (38/42 mm)
Tool length	4.3 ft (1.3 m)
Tool weight	26.5 lbs (12.0 kg)
Connections	15/16 SR
Operational time in memory mode	Over 100 hours
H ₂ S resistance	6% standard (25% optional)
Surface read-out / Memory	Both