

MICRO INSTRUMENTS FOR HARSH ENVIRONMENTS

SLIM FLOW ARRAY SENSING TOOL

MULTIPHASE FLOWS
DEVIATED AND HORIZONTAL WELLS
VERY LOW FLOWS
VERY LOW HOLDUPS
ULTRA COMPACT

FEATURES

TOOL

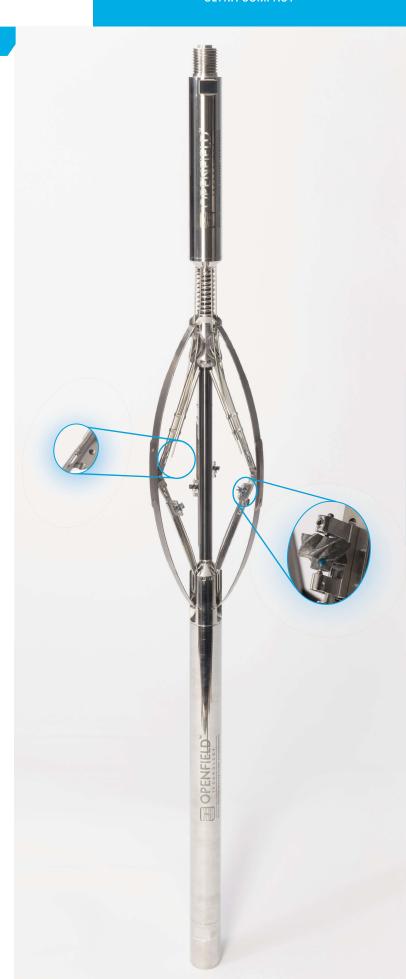
OD	1.25 in. (31.75 mm)
Length	35 in. (88 cm)
Max casing ID	4 in. (101.6 mm)
Number of arms	3
Modulable probes	12
Power supply	LRM21MM-Battery 150 hours of continuous recording
Memory	384 MB
Mechanical Connexion	Top: 15/16" Sucker Rod Top Bottom: 15/16" Sucker Rod Box
Acquisition	Memory or real time through monocable
Interface	Plug & play USB to Computer

MEASUREMENTS

Gas Holdup	Optical Probe
Water Holdup	Electrical Probe Capacitance Probe
Flowrate	Magnetic Probe with mini-spinner Ultrasonic Doppler Probe
Pressure	MEMS Pressure Sensor Probe Accuracy 1.5 Psi Resolution 0.015 Psi
Temperature	Platinium RTD Probe Accuracy 0.15°C Resolution 0.015°C
Inclination	0-90° ±1°
Relative bearing	0-360° ±3°
CCL	Differential magnetometer

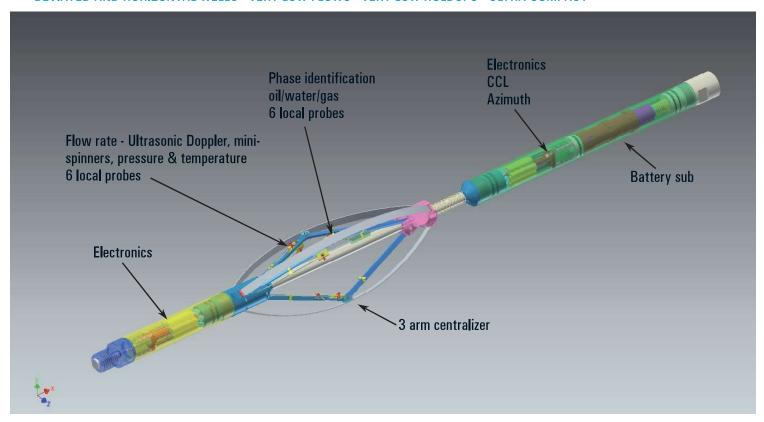
ENVIRONMENTAL

Pressure rating	15 kPsi (1000 bar)
Temperature rating	150°C (302°F)
Corrosion	NACE compliant materials: Stainless steel 316L, Inconel, Nickel, Sapphire
Shocks	250 G, 2 ms

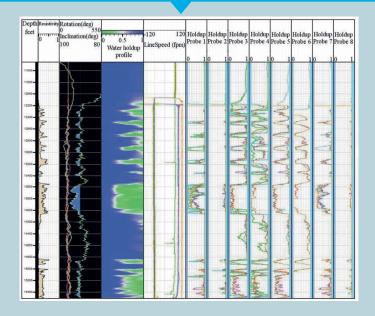


SLIM MULTIPHASE PRODUCTION LOGGING TOOL

DEVIATED AND HORIZONTAL WELLS - VERY LOW FLOWS - VERY LOW HOLDUPS - ULTRA COMPACT

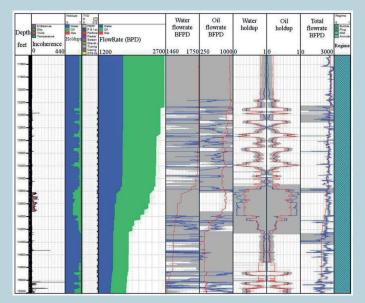


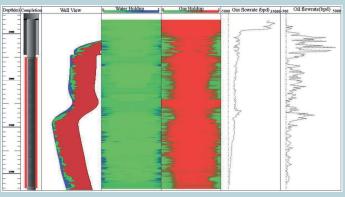
INTERPRETATION



FAST DATA COMPATIBLE WITH MAJOR INTERPRETATION SOFTWARE:

- KAPPA EMERAUDE
- ISP PLATO
- TECHLOG





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