

PeReEval

Permanent downhole sensors for Active and Passive Reservoir Monitoring Applications.



- ▼ Working temperature up to 150°C (300°F).
- ▼ Independent power supply and telemetry - on each level - preventing from full breakdown.
- ▼ Available for vertical, deviated and horizontal wells.

Technical specifications

PeReEval is a permanent downhole digital tool, for passive continuous micro-seismic acquisition events and active seismic acquisition signals.

Each PeReEval single level includes 3 fixed geophones, with pressure and temperature gauges, and is provided with its own power supply and telemetry.

Up to 24 downhole PeReEval levels per well and up to 10 wells can be successively connected .

▼ Mechanics

Maximum temperature (300°F)	150°C continuously
Maximum number of levels	24
Diameter	on request
Total tool length	on request

▼ Electronics

Cable equalization	Fully automatic
Date rates	1.5 Mbits/s
Sampling rates	0.25, 0.5, 1, 2 ms
Input noise	0.1µV rms
Gain settings	12, 24, 36, 48 dB
Dynamic range	120 dB
Digitalization	24 bits

▼ Sensors

Fixed

