

**High temperature downhole slim seismic tool  
designed for optimal reliability.**



- ▼ Working temperature up to 180°C continuously (356°F), without active cooling.
- ▼ Working pressure up to 1,500 bar (21,500 psi)
- ▼ Independent power supply and telemetry - on each level - preventing from full breakdown

# TECHNICAL SPECIFICATIONS

GEOREC-S is a slim downhole digital tool designed for seismic acquisition in HT conditions. Each GEOREC-S single level includes 3 fixed geophones (optionally, the geophones can be replaced by accelerometers), pressure and temperature gauges and the level is provided with its own power supply and telemetry. Up to 48 GEOREC-S levels can be successively connected with a 7 conductors standard cable.

## ▼ Mechanics

Maximum temperature	<i>180 °C continuously (356 °F)</i>
Maximum pressure	<i>1,500 bar (21,500 psi)</i>
Maximum number of levels	<i>48</i>
Diameter	<i>50 mm (2")</i>
Total tool length	<i>1,200 mm (47")</i>
Compatible casing diameter	<i>3" to 13"</i>
Locking force ratio range	<i>5:1 to 20:1</i>
Maximum cable length	<i>8,000 m</i>
Distance between levels	<i>5 m to 50 m</i>



## ▼ Electronics

Cable equalization	<i>Fully automatic</i>
Date rates	<i>1.5 Mbits/s (on 7000 m cable)</i>
Sampling rates	<i>0.25, 0.5, 1, 2 ms</i>
Input noise	<i>0.1 μV rms</i>
Gain settings	<i>12, 24, 36, 37.6 dB</i>
Dynamic range	<i>120 dB</i>
Digitalization	<i>24 bits</i>



## ▼ Sensors

Fixed	<i>Geophones : Omni 2400 15Hz Accelerometers : VS9002 250Hz</i>
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