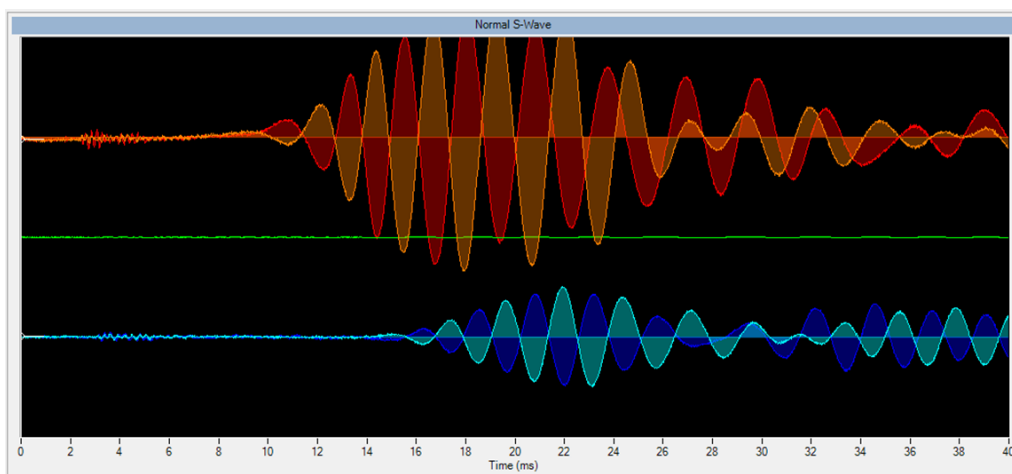


# P&S WAVE SEISMIC TOOL

## Tool overview

The  $\mu$ Seismic Tool allows simultaneous measurement of P&S wave velocities. This method gives better accuracy and resolution than other seismic methods. The performance of the system is engineered to give good results in the slower formations found at shallow depth, while also performing well in deeper formations with higher velocities. The  $\mu$ Seismic sonde is constructed with two receiver modules. These receivers each contain two transducers, one for the detection of the compressional waves and the other for the detection of shear waves. The P wave detector is a piezo electric device, the S wave detector is a geophone.



S waves in slow formation

## Features and benefits

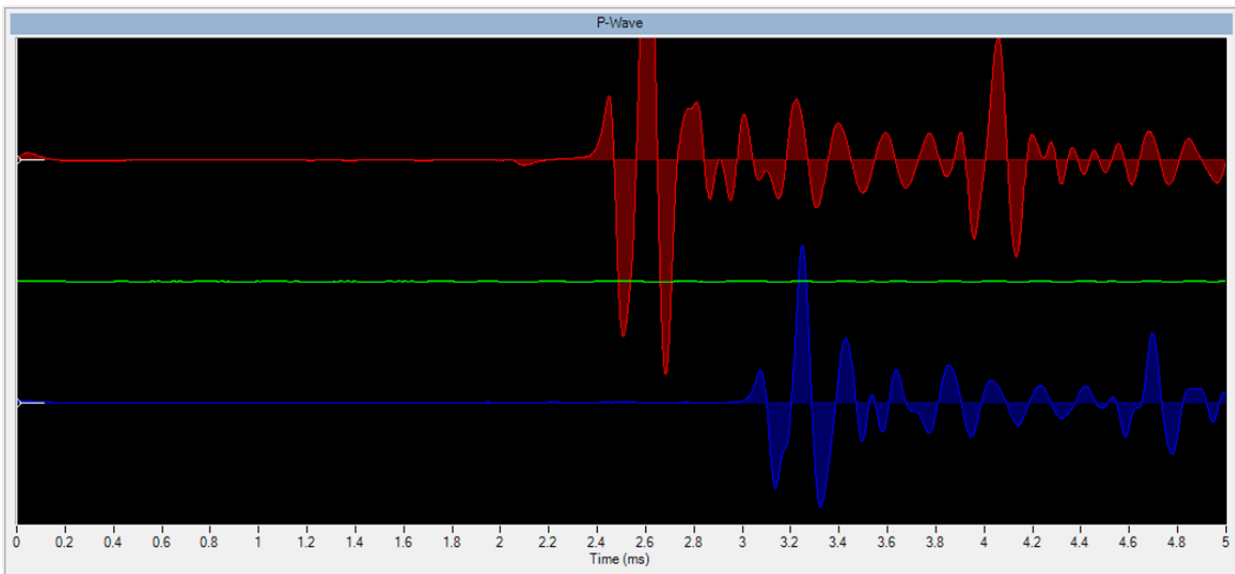
### Logging conditions

Centralised

### Borehole Conditions

Diameter 75–300mm  
Water/mud filled  
Unlined

- Energy source is a dipole source (energy directional)
- Produces energy in two directions (180° out of phase)
- Energy pulse directed perpendicular to borehole wall to generate strong shear waves within the formation.
- Data acquired recorded in industry standard SEG2 file format.



P Waveforms in slow formation

## Specifications

Size	4.1m or 5.0m x 50mm
Weight	14kg
Acquisition Period	Variable (5-80ms)
Max. temperature	50Bar
Max. Temperature	80°C

## Why European Geophysical Services?

European Geophysical Services offers excellent and reliable field service coupled with many years of geophysical interpretation experience, efficient data processing and high-quality reporting. All our field operators are graduate geologists or geophysicists with data acquisition and interpretational experience able to give on site analysis and interpretations. For more information, please call 01939 210710.