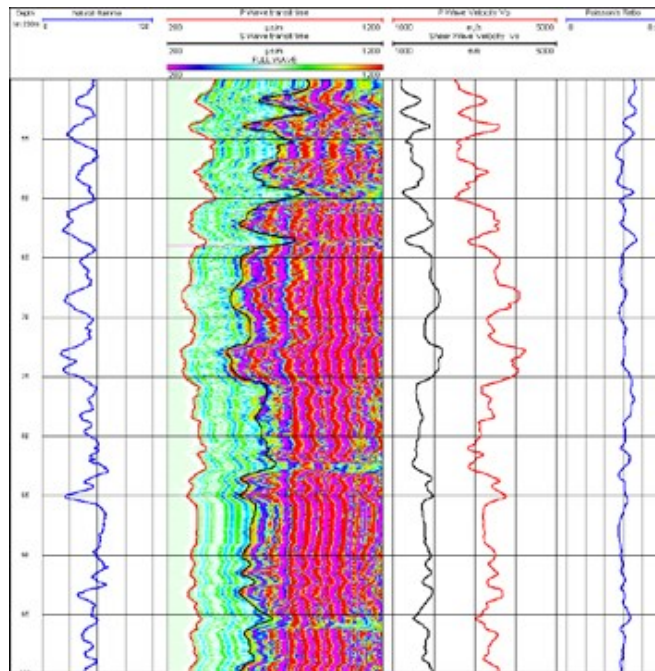




FULL WAVE SONIC TOOL (FWS)

Tool overview

This tool has been specially designed to provide a full wave-form recording of sonic signals and uses fixed spaced transmitter-receivers. The received signals are digitised at fast sampling rate resulting in high resolution data. The data may be processed for P wave velocity (or transit time) and amplitude. Estimates of S wave velocity may be obtained under suitable conditions. The P wave velocity log may be used for identifying variations in hardness and porosity. **This log can only be achieved in fluid filled unlined boreholes.**



Logging conditions

2–9m/min
Free running

Borehole Conditions

Diameter 75 to 300mm
Water filled (unlined)

Features and benefits

- Data may be processed for P wave velocity (or transit time)
- Estimates of S wave velocity may be obtained under suitable conditions

Specifications

Size	1.9m x 60mm
Weight	22kg
Sampling rate	Variable (500 samples at 4ms or slower)
Resolution	16 bit; Record length: min 2ms
Frequency	23 kHz
Gain settings	16 levels

Why European Geophysical Services?

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