

Downhole P&S Sonde

APPLICATIONS

- Site investigations and ground engineering

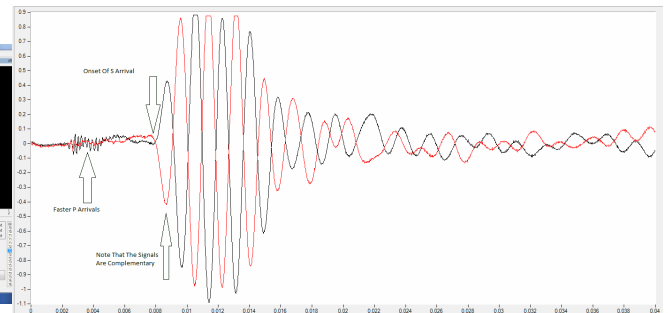
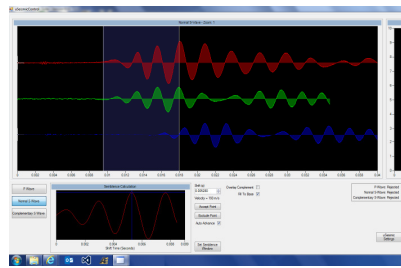
The Geovista Downhole P&S (DPS) probe is used to log formation compressional (P) and shear (S) waves' propagation velocities at selected depths, particularly in "slow" formations where shear velocity can be less than borehole-fluid velocity.

OVERVIEW

Formation P & S wave slowness are among the parameters required to estimate rock properties at the site investigation stage, be it for foundations, or civil engineering undertakings like dams. The Geovista DPS probe comes with one transmitter and two receivers. The transmitter is designed to excite a dispersive flexural mode which propagates at a velocity close to that of the formation shear velocity. It is currently the only technique available in slow formations where shear velocity is less than borehole fluid velocity. Also, this method does not require clamping to achieve acoustic coupling.

KEY FEATURES

- Digital probe
- Measures compressive and shear wave velocities
- Variable spacing
- No clamping required for acoustic coupling



SPECIFICATIONS

Weight (Kg)
 Length (m)
 Diameter (mm)
 TX1-RX1 spacing
 TX1-RX2 spacing
 Sampling Density
 Resolution
 Sampling interval
 Data file format
 Max. Pressure (MPa)
 Borehole Condition
 Accessories

DPS Sonde

14.0
 4.85 / 5.85
 51
 Typically 200 / 300 cm depending on length of first isolator section (other lengths available).
 Typically 300 / 400 cm depending on length of first isolator section (other lengths available).
 2000 samples/wave
 16 bits
 Selectable 2.5, 5, 10, 20 or 40 mS
 SEG2
 5
 Water or mud filled Open hole
 Stand offs
 P&S Simulator Test Jig