**FULL WAVEFORM SONIC PROBE (2SAA-1000)**

NEW! Multi-Frequency Monopole-Dipole Configuration

The new Multi-Frequency, Monopole-Dipole Full Waveform Sonic tool is compatible with MGX II Portable Digital Logging Systems and will operate on single or multiconductor wirelines. The standard probe includes transmitter - receiver spacings of 3 & 4 feet. Customers can order probes with different spacings (metric or english) and can combine it with natural gamma (2SSB-1000)

**Advantages**

- Ability to record long wave train for Stonely wave analysis and the measurement of fracture aperture and permeability index.
- The absolute value of the amplitude of the received waveform is measureable thus allowing for amplitude calibration.
- Truly modular: other receiver and/or transmitter combinations possible up to 8 receivers and two transmitters.

**Features**

- Real-time color VDL plotting
- User-defined waveform window (up to 100 mSec)
- Full waveform analysis, including first arrival repicking, waveform filtering, stand-off correction, mechanical property calculations, velocity analysis, trace coherence analysis, reflected tube-wave analysis, semblance processing
- Individual waveform pair plotting

**Specifications**

- **Diameter:** 1.5 inches
- **Length:** 105 inches (266 cm)
- **Weight:** 20 lbs (9.09 Kg)
- **Transducer Freq:** configurable, 1-30KHz Monopole-Dipole configurable.
- **Sampling rate:** configurable, 2 - 100 µSec Stackable 1 - 16 trace Up to 1024 samples/trace
- **Wave dynamic Range:** 12 bits + 4 bits gain
- **Max. Temp.:** 158°F
- **Max: Pressure:** 3000 PSI
- **Calibration Accuracy:** 1%
- **Sensitivity:** < 5 µSec/ft
- **Resolution:** ≤ 1µSec/ft
Sample color variable density log (VDL) with traces profiling transit time, p-wave amplitude, and tube-wave (permeability) amplitude.