Piezoelectric (PE) Accelerometer Specifications

For use with the Pile Driving Analyzer® (PDA)

Compatible with Traditional wired connection (cable) or with Wireless Transmitter when used with PDA model PAX or 8G PDI “Smart Sensor” technology

Smart Sensors report their calibration value to a PDA model 8G or PAX (PAX in wireless mode only)

Mounting: Custom aluminum block (30 x 30 x 20 mm)
Overall size: 30 x 20 x 50 mm
Circuit: Integral electronics
Cable: Shielded, standard length 1010 mm (for wired connection) or 450 mm (for use with Wireless Transmitter) other cable lengths available on request, maximum 50 m
Sensitivity: Nominally 1.0 mV/g with 10-volt DC bias
Range: 5,000 g (Limit 30,000 g)
Frequency Range: 1 to 7000 Hz (resonant freq: > 100 kHz)
Temperature Range: -50° to 120°C operating
Time Constant: Nominally 3 seconds
Attachment Method: Bolts to pile
Options: Waterproofing to depth of 50 m*

*PDI also offers waterproof strain transducers for water depths up to 300 m