



**Quality Assurance for Deep Foundations**

## ***Piezoelectric Accelerometer Specifications***

For use with the Pile Driving Analyzer® (PDA)

October 2014

Compatible with Traditional wired connection (cable) or with Wireless Transmitter when used with PDA model PAX or 8G

Standard "Smart Sensor" technology.

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

Mounting: Custom aluminum block (25 x 25 x 25 mm)

Circuit: Integral impedance converting electronics

Cable: Shielded, standard length 900mm (for wired connection) or 457mm (for use with wireless transmitter)

Sensitivity: Nominally 1.0 mV/g with 10 V.D.C. bias voltage input

Range: 5,000 g (Limit 10,000 g)

Frequency Range: 0.25 to 7000 Hz (resonant freq: > 40 kHz)

Temperature Range: -50° to 120°C operating

Time Constant: Nominally 3s

Attachment Method: Bolts to pile

Options: Full waterproofing, extra cable length