



Piezoelectric (PE) Accelerometer Specifications*

19-274

*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 Gage 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 (1.18 x 1.18 x .787 in)

Overall size: 30 x 20 x 50 mm (1.18 x .787 x 1.96 in)

Circuit: Integral electronics

Cable: Shielded, standard length 1010 mm (39.76 in) for wired connection or 450 mm (17.71 in) for use with Wireless Transmitter other cable lengths available on request, maximum 50 m (164 ft)

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: operating -50° to 120°C (-58° to 248° F)

Time Constant: Nominally 3 seconds

Attachment Method: Bolts to pile

Options: Waterproofing to depth of 50 m (164 ft)*

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