



Pile Dynamics, Inc.
www.pile.com • 1.216.831.6131

Technical Specifications

Piezoelectric (PE) Accelerometer Specifications*

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

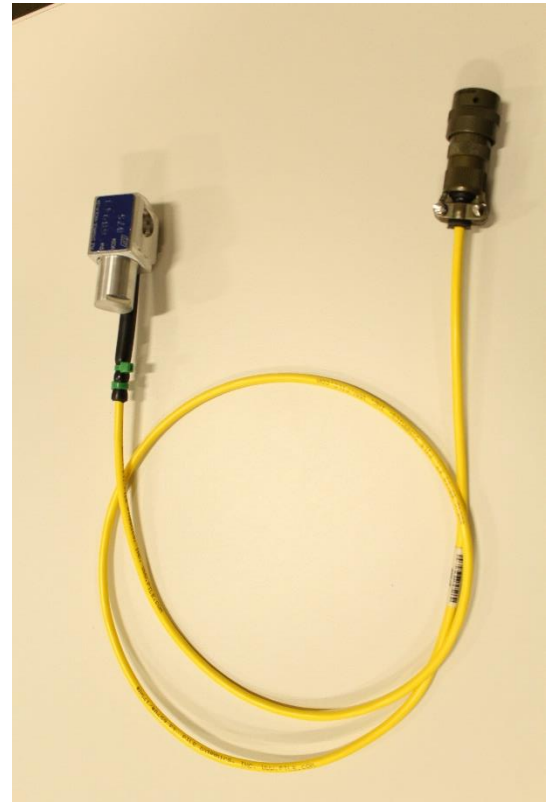
5,000 g (Limit 30,000 g)

Frequency Range

1 to 7000 Hz (resonant freq: > 100 kHz)

Temperature Range

Operating -50° to 120°C (-58° to 248° F)



*For use with the Pile Driving Analyzer® (PDA)



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Time Constant

Nominally 3 seconds

Attachment Method

Bolts to pile

Options

Waterproofing to depth of 50 m (164 ft)¹

¹PDI also offers waterproof strain transducers for water depths up to 300 m