



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

Technical Specifications

Strain Transducer Specifications*

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

Available with PDI Smart Sensor Technology

Smart Sensors report calibration to a PDA model 8G or PAX

Repts to the PAX only in wireless mode

Effective Gage Length

Standard 76 mm (2.99 in)

Size

125 x 32 x 12 mm (4.92 x 1.25 x .47 in)

Material

Aluminum

Circuit

Full Wheatstone bridge



Cable

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

Nominal Sensitivity

380 $\mu\epsilon/mV/V$

Strain Range

Nominally 3,000 $\mu\epsilon$ (functional to 8,000 $\mu\epsilon$)

Shock Range

Nominally 5,000 g

Natural frequency when attached to foundation: greater than 2,000 Hz

Temperature Range

Operating -50° to 120°C (-164° to 393.7° F)

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



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Attachment Method

Bolts to pile

Optional C-clamps or tabs and adhesive available for structural testing

May be used for static load monitoring and structural monitoring

Options

Water resistant to 50 m (164 ft) depth

PDI offers waterproof strain transducers for water depths to 300 m (984 ft)