



Strain Transducer Specifications*

19-274

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

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

Repos 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)

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)