



Strain Transducer Specifications

For use with the Pile Driving Analyzer[®] (PDA)

September 2015

- Compatible with Traditional (cabled) connection or with Wireless Transmitter when used with PDA model 8G or PAX
- Standard "Smart Sensor" technology.
- Smart Sensors report their calibration to a PDA model 8G or PAX (PAX reporting in wireless mode only)
- Effective Gage Length: 76 mm standard
- Size: 126 x 35 x 11 mm
- Material: Aluminum
- Circuit: Full 350 ohm Wheatstone bridge
- Cable: Shielded, available in standard length 1060mm (for cabled connection) or 450 mm (for use with Wireless Transmitter), other cable lengths available on request
- 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: -50° to 120°C operating
- Attachment Method: Bolts to pile
 - (Optional C-clamps or tabs and adhesive for structural testing.)
- Options: water resistant to 20 m depth, on request;
 - PDI also offers waterproof strain transducers for water depths to 300 m

* Pile Dynamics Strain Transducers may be used in static load monitoring and/or structural monitoring.