



Quality Assurance for Deep Foundations

Embedded Strain Transducer Specifications

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

October 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)
- Sizes: on #4 (12.7 mm diameter) steel rebar at 36 inch (91.4 cm) length or #5(15.9 mm diameter) steel rebar at 48 inch (122 cm) length
- Material: Steel
- Circuit: Full Wheatstone bridge
- Cable: Shielded, length variable to specific needs
- Nominal Sensitivity: 380 $\mu\epsilon/mV/V$
- Strain Range: Nominally 3,000 $\mu\epsilon$
- Shock Range: Nominally 5,000 g
- Temperature Range: -50° to 120°C operating

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