Embedded Strain Transducer Specifications

October 2015

For use with the Pile Driving Analyzer® (PDA)

Compatible with Traditional (cabled) connection or with Wireless Transmitter when used with model PDA-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: #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 µε/mV/V

Strain Range: Nominally 3,000 µε

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.