Strain Transducer Specifications*  

October 2019

*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  
PDI “Smart Sensor” technology  
Smart Sensors report their calibration to a PDA model 8G or PAX (PAX in wireless mode only)  
Effective Gage Length: 76 mm standard  
Size: 125 x 32 x 12 mm  
Material: Aluminum  
Circuit: Full Wheatstone bridge  
Cable: Shielded, standard length 1010 mm (for wired connection) or 450 mm (for use with Wireless Transmitter) other cable lengths available on request, maximum 50 m  
Nominal Sensitivity: 380 µε/mV/V  
Strain Range: Nominally 3,000 µε (functional to 8,000 µε)  
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).  
May be used for static load monitoring and structural monitoring  
Options: water resistant to 50 m depth  
PDI also offers waterproof strain transducers for water depths to 300 m