



Quality Assurance for Deep Foundations

Piezoresistive Accelerometer Specifications

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

May 2019

Model K (BTR):

Compatible with Traditional wired connection (cable) or with Wireless Transmitter when used with PDA model PAX or 8G

Standard "Smart Sensor" technology.

Smart Sensors report their calibration to a PDA model 8G or PAX (PAX reporting in wireless mode only)

Mounting: Inside custom aluminum block (45 x 25 x 30 mm)

Circuit: Full bridge

Cable: Shielded, standard length 900mm (for wired connection) or 457 mm (for use with wireless transmitter)

Sensitivity: Nominally 0.07 mV/g with 6.4 V.D.C. input

Range: 10,000 g (Limit 20,000 g)

Frequency Range: DC to 4.5kHz

Resonant Frequency: 2500 Hz

Temperature Range: - 40° to 55°C operating

Attachment Method: Bolts to pile

Options: Extra cable length