



*Pile Dynamics, Inc.*

**Quality Assurance for Deep Foundations**

## **Strain Transducer Calibrator (STC) Technical Specifications**

21-91

### Physical

Size: 609.6 x 508 x 177.8mm (24 x 20 x 7 in)

Weight: ~36 Kg (~80 lbs.)

Material: Aluminum

Temperature Range: Operating 5° to 50° C (41° to 122° F); Storage -40° to 85°C  
(-40° to 185° F)

Power: External 12V DC power supply

### Electronic

Data port: USB 2.0 Mini B

Excitation Voltage for Calibration: 5.0V DC

Displacement Measurement: Dual Electronic Indicators averaged

Displacement Range: 25 mm (1 in)

Displacement Resolution: 0.001 mm (0.00004 in)

Displacement Accuracy: ± 0.02 mm (± 0.0008 in)

Built in smart chip reader/programmer

### Other

Comes with the Strain Transducer Calibrator System Software Program

Torque wrench and 7/16 socket provided

Compatible with full resistive bridge strain gages with 7-pin connectors

Adapter cable for calibrating 6-pin Strain Transducers provided

Gages sold separately

Adapter cables for Deep Water, Underwater (Seacon), and Threaded Strain Transducers  
sold separately

Full one-year warranty

Setup Guide provided in PDF form on a USB Drive