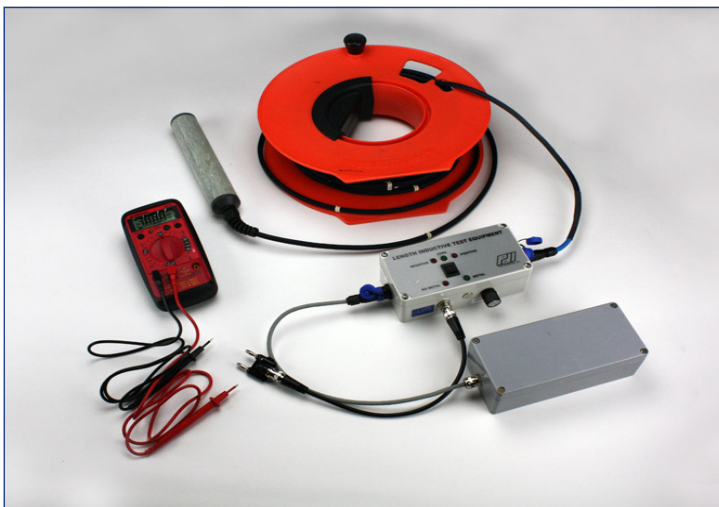


Length Inductive Test Equipment (LITE)



The LITE evaluates the length of existing steel piles (Steel Sheet Piles, H-piles, Pipe piles, Cased Drilled Shafts, and highly reinforced Drilled Shafts) using the inductive field method.

The assessment of the unknown depth of existing foundations is key for their reuse or when unexpected settlement or scour raise concerns about bearing capacity. The LITE is a tool the Foundation Testing Engineer should consider using for length determination of steel piles (for concrete piles the Pile Integrity Tester continues to be the tool of choice).



Operation of LITE

- Lower the LITE Probe into a PVC lined hole drilled within 18 inches (450 mm) of the pile to be tested.
- If the LITE detects the proximity of the steel pile its LED indicates "METAL".
- If there is no metal in its range of detection the LITE LED indicates "NO METAL".
- The probe cable has evenly spaced markings for simple observation of the pile depth once the "no metal" indicator lights up.

LITE Specifications

Physical

Main Unit:

Dimensions: 16cm L x 8.6cm H x 8.1cm D

Weight: .45kg

Probe:

Dimensions: 3.8cm Dia x 30.5cm Long

Weight: 2.7 kg

Furnished with 25m cable with evenly spaced markings

Battery:

Dimensions: 10.2cm L x 6.3cm H x 7.6cm D

Weight: 1.1 kg

Type: External, 8 hour duration on a 4-hour charge

Voltmeter:

Dimensions: 7.6cm L x 15.2cm H x 3.81cm D

Weight: .45kg

Temperature Range: 0 to 40 °C operating

Electronic

Voltmeter Accuracy: 3.5 digits

Functional and Other

Probe type: inductive sensor

Metal detection max range: 450mm (18 inches)

Main unit includes LED indicators for "metal" and "no metal"

Furnished with 18" x 13" x 8.4" transit case

Full **one** year warranty

Quality Assurance for Deep Foundations

About Pile Dynamics, Inc.

Since 1972, Pile Dynamics, Inc. (PDI) has been the world leader in developing, manufacturing and supplying state of the art QA/QC products and systems for the deep foundations industry. The company is headquartered in Cleveland, Ohio, USA, with offices and representatives in over 100 countries worldwide. For additional information visit us at www.pile.com or contact sales@pile.com today.

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