

# ETBT

:: METHODOLOGIES ::

P.I.T. Pile Integrity Test

## Instrument for echometric tests



The instrument ETBT is a complete system for non destructive structural tests on foundation poles. Central unit is made of an acquisition card, which thanks to the bluetooth technology, can be configured from any smartphone and makes the test simple and functional. The data acquired are displayed in real time on the device, by allowing their immediate interpretation. Once the test has been finished it is possible to immediately print on the site (opt.) the report test holding all the data of the survey.

Normative compliance: ASTM D5882-07

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## SPECIFICATIONS

### Acquisition:

- Measure range: 2V – 5V
- Time bases: 10 $\mu$ s – 50 $\mu$ s
- Sample resolution: 12 bit
- Samples per event: 1024
- Band width: 100 KHz
- Measure channel: 1
- Accelerometer sensibility: 100 mV/g
- Amplificatory gain: 26 dB

### Generals:

- Power supply: 3.3V DC, 2Ah internal battery pack
- Average absorption: 0,5A (standby) – 1A (while measuring)
- Available interfaces: BLUETOOTH and USB
- Data format: WAV and TXT
- Functioning environmental temperatures: -20/80 °C
- Dimensions: diam. 55mm, height 150mm
- Acquisition unit weight: 0.7kg

[Control App](#)

*The continuous improvement of this product by engineering could create differences with the one specified. MAE reserves the right to make any changes to products without make public communication. All cited brand are registered by relative producers. Pictures of management devices are purely indicative, they can be changed according to the needs keeping indicated functional characteristics.*



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Mazzuolo in gomma



[SONIC14](#)

Strumentazione per Prove Soniche/Ultrasoniche, Integrity Test



[MNS2](#)

Martello con testa in nylon



[SONIC15](#)

Strumentazione per ultrasuoni a contatto e prova sonica con martello strumentato