



## ТОВ “ІНТРОН - СЕТ”

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## PET Bluetooth

### Pile Echo Tester

PET is used to test the integrity of deep pile foundations. PET Uses the pulse-echo method (PEM) for pile integrity testing (PIT).

- Smart Trigger for ease of use
- Automatic Impulse sorting
- ASTM D5882-16, AFNOR P160-2,4
- Rugged and IP68 waterproof

### Applications

For fast and simple testing of deep pile foundations with the pile integrity method of small to medium size piles.

### Fast and Simple Pile Integrity Test of Deep Pile Foundations

## PET Bluetooth – Technical Specification

<b>Physical</b>	<b>Housing</b>	Industrial grade transducer enclosed in a highly durable polycarbonate plastic (Lexan)
	<b>Dimensions</b>	34 mm (diameter) x 120 mm (Length) (instrument only)
	<b>Weight</b>	155g (Instrument only) 3kg (Typical shipping)
	<b>Temperature range</b>	Operating: -20°C to 55°C Storage: -40°C to 80°C
	<b>Waterproofing</b>	IP68 (Protection against submersion in water)
<b>Power</b>	<b>Internal</b>	2 X AAA Alkaline batteries, 3V total. Sufficient for testing approximately 300 piles. Easily replaceable in the field.
<b>Standards</b>	<b>ASTM D5882 –16</b>	Meets or exceeds.
	<b>AFNOR P160-2,4</b>	Meets or exceeds.
	<b>CE</b>	In conformity with requirements of RED 2014/53/EU
<b>Technical Features</b>	<b>Trigger</b>	Variable trigger level
	<b>Smart Trigger</b>	Trigger by impulse shape
	<b>Auto sort</b>	Automatic sorting of best impacts
	<b>Pile Averaging</b>	500kHz (2µS resolution)
	<b>Site Averaging</b>	Averaging all good impacts - Clears the noise from the reflectogram
<b>Performance</b>	<b>Pile lengths</b>	2m to 80m (depending on diameter and soil profile)
	<b>Productivity</b>	Up to 100 piles/hour (favorable conditions, single operator)
	<b>Max wireless range</b>	Up to 10m
	<b>Max record impulse</b>	100ms
	<b>Resolution</b>	16bit
	<b>Storage</b>	Up to 1Tera byte
<b>Requirements</b>	<b>Computer (Minimum)</b>	Windows XP/Win7/Win10/Win11. or Android smartphone /tablet with the latest Android version or one earlier, with Bluetooth hardware. Full sunlight screen visibility.
<b>Output</b>	<b>Reporting</b>	Time/Distance Reflectogram, FFT analysis - Standard
	<b>Language</b>	Multi-lingual user interface and reporting