



## PET Pro USB

### 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



#### Reliable

- Specially designed and tested for a hostile construction environment.
- IP68 (Protection against complete, continuous submersion in water).
- 3 years warranty!
- 10 years of free software



#### Easy to Use

- Usually, no training is needed, and the system can be self-taught in a few hours. (No expensive training days)
- Unique [Smart Trigger](#) for fast & easy quality results.



#### Top Performance

- Up to 100 piles/hour can be tested.
- Very low noise level extends the usual limits of the pile integrity test method to longer piles.
- Automatic Impulse sorting



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# PET Pro USB – Technical Specification

<b>Physical</b>	<b>Housing</b>	Industrial grade transducer enclosed in durable stainless steel and aluminum housing.
	<b>Dimensions</b>	30 mm (Diameter) x 90 mm (Length) (instrument only)
	<b>Weight</b>	120g (Instrument only) 2.3kg (Typical shipping)
	<b>Temperature range</b>	Operating: -25°C to 55°C Storage: -40°C to 80°C
	<b>Waterproofing</b>	IP68 (Protection against submersion in water)
<b>Power</b>	<b>USB Cable</b>	Powered by the attached Computer/Tablet
<b>Standards</b>	<b>ASTM D6760 –16</b>	Meets or exceeds.
	<b>AFNOR P160-2,4</b>	Meets or exceeds.
	<b>CE</b>	In conformity with the requirements of CE EMC & Safety Requirements Directive 2014/30/ EU and LVD 2014/35/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>	Averaging all good impacts - Clears the noise from the reflectogram
	<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 <a href="#">&gt; more...</a> )
	<b>Productivity</b>	Up to 100 piles/hour (favorable conditions, single operator)
	<b>Max cable length</b>	Up to 4m with USB extension cable (2m cable included)
	<b>Max record impulse</b>	100ms
	<b>Resolution</b>	24bit
	<b>Storage</b>	Up to 1Tera byte
<b>Requirements</b>	<b>Computer (Minimum)</b>	Windows XP/Win7/Win10/Win11. with USB port 800x600 min. screen resolution with full sunlight visibility
<b>Output</b>	<b>Reporting</b>	Time/Distance Reflectogram, FFT analysis - Standard
	<b>Language</b>	Multi-lingual user interface and reporting