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Pundit Ultrasonic

Pundit Lab (+)

A flexible UPV test instrument designed for laboratory operations

Reliability

Lab adaptations include an oscilloscope output, power supplied via a battery, mains, or via a USB connection to a PC. Full PC control of all functionality

Open Interface

Removes the need to use the proprietary software. The open interface allows the instrument to be seamlessly integrated into the laboratory environment.

Ease of use

Increased receiver amplification allows optimum performance with exponential transducers which can be used on rough or curved surfaces, with or without coupling gel.













Instrument
Tech Specs

Bandwidth	20 to 500 kHz
Technology	Ultrasonic pulse velocity
Measuring Resolution	0.1 us
Pulse Voltage	±125 to ±500 V (UPV)
Receiver Gain	1x, 10x, 100x, AUTO, Pundit Lab+ up to 1000x
Nominal Transducer Frequency	24 – 500 kHz
Pulse Shape	Square Wave
Pulse Delay	–
Number of Channels	1
PC Software	Pundit Link unlocks the full Pundit Lab+ capabilities
Display	79 x 21 mm passive matrix OLED
Memory	> 500 measured values
Connections	USB connection to PC
Measurement Modes	Pulse velocity Surface velocity Data logging E-modulus Compressive strength correlation Crack depth
Measuring Range	Up to 15 m depending on concrete quality
Special Features	Open interface Integrated amplifier gain stage Real time stamp
Transducers	Available Proceq transducers: 54 kHz, 150 kHz, 250 kHz, 54 kHz exponential, 500 kHz and 40 kHz shear wave dry point contact. Connect third party transducers with a standard BNC connector up to 500 kHz.

Our Accessories

Image	PartNumber	Description
	Pundit Lab (+)	2 Exponential transducer 54 kHz, including calibration rod (325 40 176) Transducer 150 kHz (Two required for operation) (325 40 141)

Standards & Guidelines	Description
ГОСТ 17624	
ASTM C 597-02	
CECS 21	
EN 12504-4	
IS 13311	
ISO 1920-7:2004	

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