



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.



Software / Workspace App



Processing Unit / Sensor

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 250 kHz Shear Wave Connect third party transducers up to 24 kHz, 54 kHz, 150 kHz, 250 kHz, 54 kHz Exponential, 500 kHz and 40 kHz shear wave dry point contact

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