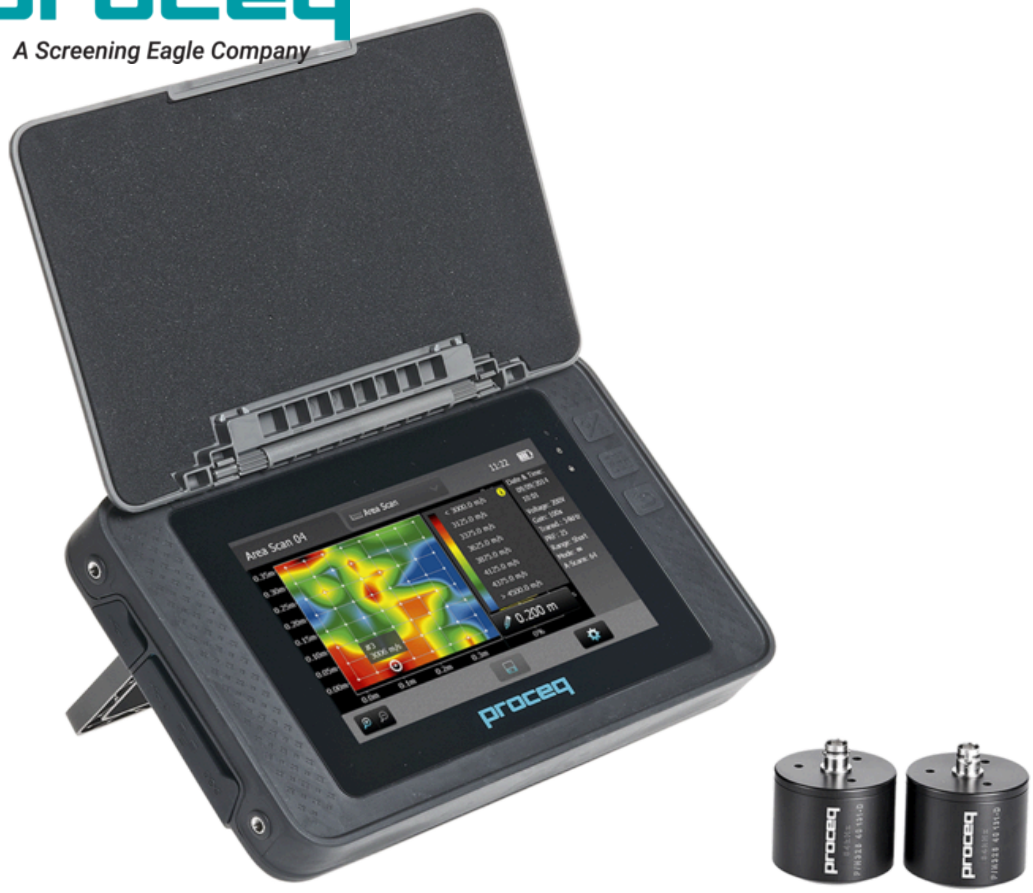
proceq
A Screening Eagle Company



Pundit Ultrasonic

Pundit 200

Concrete properties analysis using ultrasound pulse velocity

Diverse

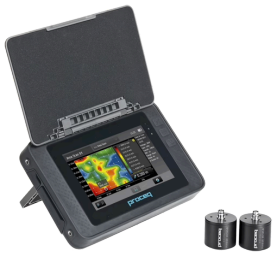
In addition to the standard pulse velocity measurement, various measurement modes including surface velocity measurement, Line Scan, Area Scan, Data Logging, compressive strength correlations, SONREB and E-modulus measurement.

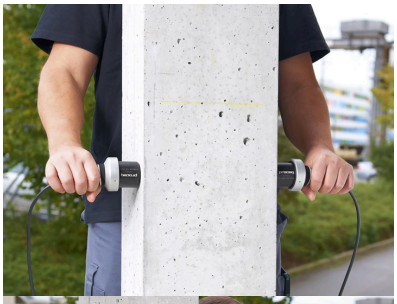
Automation

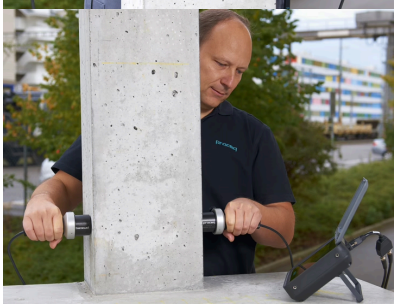
The area scan grid can be freely defined by the user and the colour coded results can display either pulse velocity or depth variations on the structure to quickly identify areas of concern.

Versatility

Provides the unique capability to use the same display device for both classical pulse velocity testing and pulse echo testing.









Instrument
Tech Specs

Bandwidth	20 to 500 kHz
Technology	Ultrasonic pulse velocity
Measuring Resolution	0.1 us
Pulse Voltage	±100 to ±450 V (UPV)
Receiver Gain	1 to 10'000x (0 to 80 dB)
Nominal Transducer Frequency	24 – 500 kHz
Pulse Shape	Square Wave
Pulse Delay	–
Number of Channels	1
PC Software	PL-Link for analysis and export data to third party applications
Display	7" color rugged touchscreen unit (800 x 480 pixels) with a dual-core processor
Memory	>Internal 8 GB flash memory
Connections	USB host/device and Ethernet
Measurement Modes	Pulse velocity Surface velocity Data logging E-modulus Compressive strength correlation Crack depth Line Scan Area Scan
Measuring Range	Up to 15 m depending on concrete quality
Special Features	Zoom and scroll for precise A-Scan inspection On board storage and review of waveforms Settings directly accessible on measuring screen Dual cursor for manual A-Scan evaluation Separate cursor to measure signal amplitude Automatic and manual triggering and user-adjustable trigger threshold A-Scan update rate up to 25 Hz
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
	32540176	Designed for use on rough or curved surfaces with or without coupling gel.
	32701033	Replacement battery for the display unit. Can be charged externally with the batter charger.
	32701053	Charge an empty battery to 80 % in 3h. Full charge in 5.5 h.
	32540210	Designed for use on rough or curved surfaces with or without coupling gel.
	Pundit 200	

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

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