



Pulse Echo Concrete Tester

Code: [35-2303/09](#)

Product Group: [Ultrasonic Detection](#)

The Pulse Echo Concrete Tester extends the ultrasonic application to objects where access is restricted to a single side. Major applications are slab thickness measurements and the location of voids and delaminations. Rugged touchscreen with intuitive user interface.

B-Scan is constructed directly on the instrument as the scan is carried out.

Can be upgraded to Multi-Channel.

The same instrument can be used with classic pulse velocity transducers.

Applications include: pulse velocity determination, quality assessment and uniformity, thickness measurement from a single side, location of delaminations, voids and honeycombing, location of hollow pipes, location of pipes and tendon ducts beyond the rebar layer and assessment of fibre reinforced concrete.

Specification

Measuring range	Up to 1 m depending on concrete quality
Bandwidth	20 to 500 kHz
Technology	Single channel ultrasonic pulse-echo
Measuring resolution	0.1 us
Pulse voltage UPE	± 50 to ± 200 V
Receiver gain	1 to 10,000x (0 to 80 dB)
Nominal transducer frequency	24-500 kHz
Pulse shape	Square wave
Number of channels	1