



## 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