



## Ultrasonic Concrete Tester 110-240V 50/60Hz 1Ph

Code: [35-2302/09](#)

Product Group: [Ultrasonic Detection](#), [Ultrasonic Concrete Test](#)

35-2302/09 is the most versatile Concrete Tester to date. It has all the functions of the classic Concrete Tester, but offers additional benefits.

Designed with laboratory use in mind, its compact size, rugged construction and optimized power consumption make it equally suitable for on-site use.

Along with the traditional transit time and pulse velocity measurement, 35-2302/09 offers path length measurement, perpendicular crack depth measurement and surface velocity measurement.

Optimized pulse shaping gives greater transmission range at lower voltage levels. This coupled with automated combination of the transmitter voltage and the receiver gain ensures an optimum received signal level, ensuring accurate and stable measurements.

The waveform can be viewed either via an external oscilloscope connection or directly on a connected PC screen.

Full remote control capability completes the package.

Complete with two 54 kHz transducers each with 3.6 metres of cable, coupling agent, carrying case and instruction manual.

Applications include pulse velocity determination, quality assessment and uniformity, modulus of elasticity measurement, curing status evaluation, crack depth estimation, assessment of fibre reinforced concrete.

Consists of display unit, 2 transducers (54 kHz), 2 BNC cables 1.5m, couplant, calibration rod, USB charger with USB-cable, 4x AA (LR6) batteries, data carrier with software, documentation and carrying case.

Complies to BS 1881-203, EN 12504-4, ASTM C597.

## Standards

BS 1881-203, EN 12504-4, ASTM C597, D2845

## Further Information

For 110 - 240 V AC, 50 - 60 Hz, 1 ph.

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## Specification

|                              |  |
|------------------------------|--|
| Measuring range              | Up to 15 m depending on concrete quality |
| Bandwidth                    | 20 to 500 kHz                            |
| Technology                   | Ultrasonic pulse velocity                |
| Measuring resolution         | 0.1 us                                   |
| Pulse voltage UPV            | 125 to 500 V                             |
| Receiver gain                | 1x, 10x, 100x, auto                      |
| Pulse shape                  | Square wave                              |
| Nominal transducer frequency | 24-500 kHz                               |
| Number of channels           | 1  |

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## Spares/Consumables



### Ultrasound Couplant Supplied In 250ml bottle

Code: [35-2305](#)