



CHIR-AYU CONTROLS PVT. LTD.

CONSTRUCTION MATERIALS TESTING EQUIPMENT

A1410 PULSAR

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CONTROLS



- The world's first pulse velocity testing instrument for couplant-free ultrasonic testing with Dry-Point-Contact transducer arrays
- Up to 2.5 meters thru-transmission capability
- Super-compact and ergonomic design
- Conformity with all relevant international standards

SPECIFICATION

Parameter	Value
Transducer configuration	Array of 7 x DPC transducers, daisy wheel pattern
Operating frequency, kHz	50
Measurement range of sound propagation time, μ s	0 to 10,000
Measurement range of the sound velocity, m/s	1,000 to 15,000
Adjustable range of the base size, mm	50 to 2,500
Period of continuous operation, hours	up to 2,500 mm (material dependent)
Display	16
Dimensions of the electronic unit, mm	2.8", 320x240 pixel
Weight of the electronic unit, gr	230X125X65

Operating conditions:

External temperature range	from -10 to +55 ??
Relative air humidity at +35°?, , max	95

FEATURES

- Representation of measurement results in Wave-Form and Digital form
- SonReb Method implemented in Android App
- Automatic gain control for easy-going in-situ setting and operation
- Accurate crack evaluation
- Data transfer to smartphone via Bluetooth
- Data export in Excel
- Compliance with

DIN EN 12504-4

BS 1881 : Part 203 : 1986 ASTM C597 - 16

IS 516 (Part 5/Sec 1) : 2018

DELIVERY KIT

Name	Quantity, pcs.
Electronic unit A1410 Pulsar with integrated receiver array	1
Transmitter antenna array M1001 0.05A0D25PL	1
LEMO-LEMO single cable 3 m	1
Adapter 220 V - USB	1
Cable USB A - Micro B	1
Certified reference specimen with traceable calibration certificate	1
Hard case	1
Warranty certificate	1
Operating Manual	1



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