

# ULTRASONIC PULSE VELOCITY TESTER TP-U91

**STANDARD:** ASTM C597, EN12504-4, BS 1881 PART 203

## APPLICATIONS

- ⊙ Ultrasonic and rebound comprehensive method for testing concrete strength
- ⊙ Concrete internal defect detection and positioning
- ⊙ Concrete crack depth detection
- ⊙ Concrete crack width detection

## FEATURES

- ⊙ 10.1-inch sun light readable color LCD touch screen that is highly visible in all lighting conditions.
- ⊙ Multifunctional equipment, which can perform detection of concrete strength, crack depth, crack width and defect.
- ⊙ Advanced algorithm for automatic first arrival time and amplitude detection.
- ⊙ First arrival time, wave-speed, amplitude displayed simultaneously in real-time.
- ⊙ First arrival time can be manual corrected to avoid misjudgment.
- ⊙ Easily review, retest, delete history data.
- ⊙ Performs real-time analysis on site, as well as data transfer with PC reporting software for additional analysis.
- ⊙ Meets or exceeds the specifications of JGJ and several other standards.



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# ULTRASONIC PULSE VELOCITY TESTER TP-U91

## TECHNICAL SPECIFICATIONS

Model	TP-U91
Display	10.1-inch color LCD touch screen (1280*800)
Plane transducer	2
Trigger	Automatic
Sampling interval	0.025 $\mu$ s~2000 $\mu$ s
Sampling length	512~2048
Receiver sensitivity	$\leq 10\mu$ v
Acoustic time range	0~4000000 $\mu$ s
Amplitude range	0~170dB
Emission voltage	125V, 250V, 500V, 1000V optional
Emission pulse width	0.1 $\mu$ s~100 $\mu$ s
Depth measurement range	5~500mm
Width measurement range	0~10mm
Memory	16G
Battery	Working more than 8 hours
Working temperature	-20~+60 C
Host dimensions	283×216×41 mm
Host weight	1.8kg



## TP-U91 CONFIGURATION



Host



Transducer



Flashlight



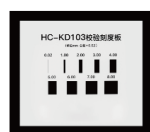
Couplant



Crack depth ruler



Camera



Calibration board



Charger



Cables



Carrying box

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