

# ***Ultrasonic Concrete Tester 4620***



★ *Say goodbye to cumbersome and failure-prone cables*



## ***World's first truly Cable-free Ultrasonic Pulse Velocity Tester***

**POWERHOUSE OF ULTRASONIC TECHNOLOGY<sup>®</sup>**



For decades, concrete testing has been tethered by cables snagging on rebar, failing in dust and moisture, and causing costly delays. Every frayed cable or faulty connector compromises data integrity and risks safety.

The RTUL's 4620 eliminates this vulnerability with a truly cable-free design. Two independent, wirelessly synchronized transducers replace the fragile interconnecting cable, delivering freedom, reliability, and efficiency on every site.

Roop Ultrasonix Ltd. is proud to introduce the **World's first truly Cable-free Ultrasonic Pulse Velocity Tester Metre for Concrete Tester 4620**, a device which is set to revolutionize concrete testing with its innovative cable free technology, eliminating the common issues associated with traditional cable-based systems.

It is designed with field conditions in mind and is very simple to operate. Its accuracy and stability are unmatched. It generates low frequency pulses and measures the time of flight in the material. The time of flight and hence the velocity is related to the mechanical strength of concrete.

**Meets National And International Standards IS, BS-4408, BS-1881, ASTM C-597**

- Non destructive Quality Assessment of in situ or precast concrete
- Crack & Void detection
- Determination of Homogeneity of concrete
- Elastic property measurement of concrete
- **Eliminate Downtime – No cables to break, no connectors to fail.**
- **Test Anywhere – Access congested rebar, tight spaces, and elevated sites with ease**
- **Boost Productivity – Faster setup and one-person operation reduce testing time.**



**Increased Efficiency**

**Enhanced Accuracy**

**User-Friendly**

**Durability and Reliability**

### Device Features

- **Wireless transmitter & receiver**
- **RF signal strength measurement**
- **Auto Calibration**
- **Data freeze /unfreeze option**
- **Data storage**
- **PC & BT connectivity**

## Technical Specifications

<b>Model No.</b>	<b>4620</b>
Measurement	Up to 10 meters
Accuracy	±0.1%
Display	High-resolution receiver screen
Battery Life	Up to 8 hours of continuous use
Operating Temperature	-10°C to +50°C
Connectivity	Bluetooth and computer enabled for seamless data transfer
Dimensions	Receiver 4620R:70mm dia x 80mm H Transmitter 4620T:70mm dia x 68mm H
Weight	0.4 kg (Transmitter) & 0.45kg (Receiver)



## Advanced Features

**Wireless Technology:** Say goodbye to cumbersome and failure-prone cables. The 4620 is completely wireless, ensuring ease of use and reliability in the field.

**Portability:** Compact and lightweight design makes it incredibly easy to carry, allowing for effortless transportation to any job site.

**Real-Time Results:** View results instantly on the integrated receiver display. No more waiting for data to be transferred and processed.

**Multi-Platform Compatibility:** Seamlessly connect the 4620 to mobile apps and computers for comprehensive data analysis and reporting. This feature enhances versatility and allows for remote monitoring and data sharing.

**Advanced Data Analysis:** The accompanying software offers advanced data processing capabilities, providing detailed insights into concrete quality and integrity.

## Applications

Construction Quality Assurance

Research and Development

Routine Maintenance

## Accessories

### Standard Accessories

Wireless Ultrasonic Pulse Velocity Metre 4620

- Transmitter and Receiver Unit with High-Resolution Display
- USB Charging Cable
- Calibration Rod
- Protective Carrying Case
- User Manual
- Optional: Access to Mobile App and PC Software



## Benefits

### Increased Efficiency

Wireless design reduces setup time and the risk of connection issues, allowing for quicker and more efficient testing.

### Enhanced Accuracy

High precision measurements provide reliable data for critical decision-making.

### User-Friendly Interface

Intuitive controls and easy-to-read displays make the 4620 accessible for users of all skill levels.

### Durability and Reliability

Built to withstand harsh field conditions, ensuring long-term performance and dependability.

## App & PC Software

*Introducing our latest app & Software for Wireless Ultrasonic Concrete Tester. Empowering users with precision, efficiency, and convenience, it revolutionizes concrete testing.*



### Unique Features & Benefits of App

- User Friendly Interface
- Bluetooth Connectivity
- Bidirectional data transmission
- Different operating modes (time /velocity crack depth and Parameter mode)
- Well Structured & Detailed Reports Generation to PDF & Excel Files
- Data can easily be stored, analyzed & interpreted

### Unique Features & Benefits of Software

- User Friendly Interface
- PC to Device USB C Connectivity
- Bidirectional data transmission
- Well Structured & Detailed Reports Generation to PDF & Excel Files
- Data can easily be stored, analyzed & interpreted.



The Wireless Ultrasonic Pulse Velocity Metre for Concrete Tester 4620 is poised to transform concrete testing with its cutting-edge technology, providing unparalleled convenience, accuracy, and reliability.

Join the concrete testing revolution today with Roop Ultrasonix Ltd.

## ROOP ULTRASONIX LIMITED

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