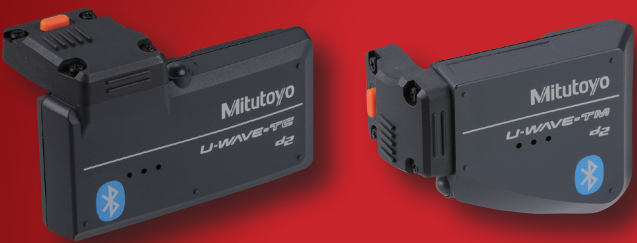# Mitutoyo

# U-WAVE Bluetooth®

**MeasurLink® ENABLED**
Data Management Software by Mitutoyo

## The Global Standard for Wireless Connection

# Bluetooth®

SMALL TOOL INSTRUMENTS
AND DATA MANAGEMENT

NEW Products
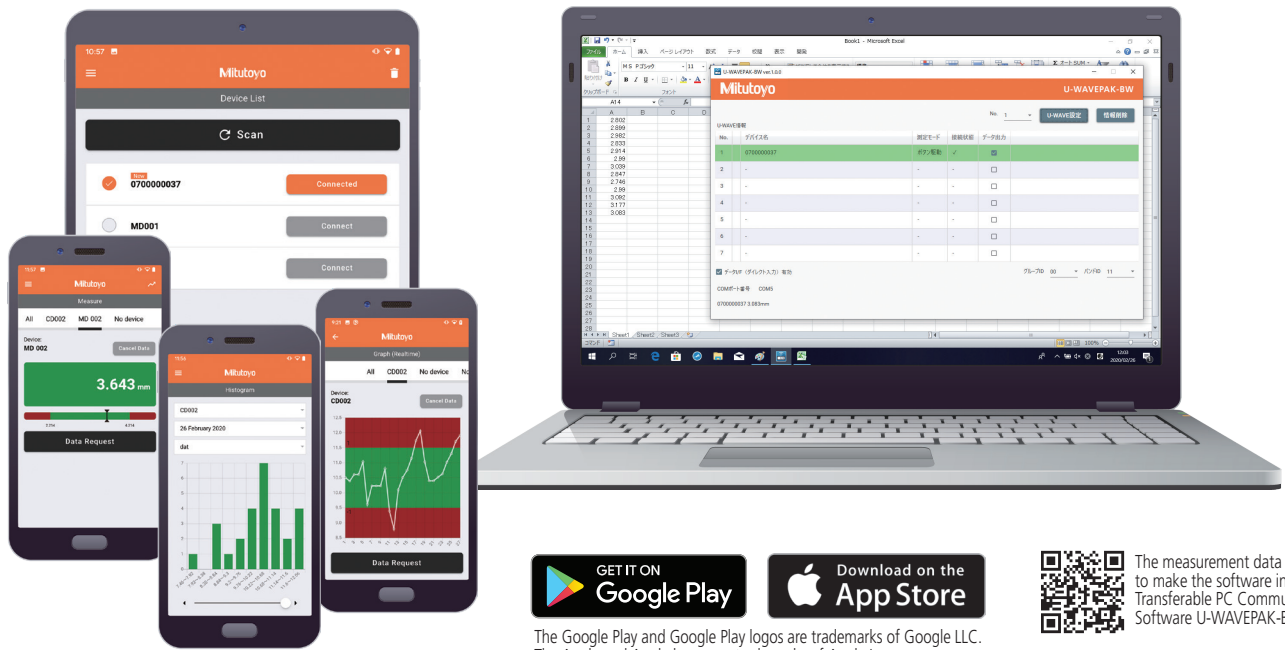
# Mitutoyo

# U-WAVE Bluetooth®
## U-WAVE-TMB/TCB

**NEW** Products

The new U-Wave Bluetooth transmitter features:
- Now utilizes the popular Bluetooth 4.2 Low Energy Wireless Technology.
- This new Bluetooth version of U-Wave allows a simple connection to smartphones, tablets and Bluetooth enabled Laptops and PC's.
- The same low profile and ergonomic fit benefits of the U-Wave Fit.
- A buzzer type and IP67 type with dustproof and waterproof specifications are available.
- Up to 7 units can be connected to 1 Bluetooth enabled PC without a receiver.
- New U-WavePak BLE for Android, iOS and Windows available at no cost.

**IP67**



GET IT ON **Google Play**

Download on the **App Store**

The measurement data is used to make the software in the pc Transferable PC Communication Software U-WAVEPAK-BW.

**U-WAVE-TMB**

**U-WAVE-TCB**

## Benefits of using U-Wave Bluetooth Wireless Data Collection System

### No receiver required

Measurement data can be sent directly to a PC with Bluetooth®, Tablet or smartphone without a receiver.

### Cost reduction

Attach to the Digimatic output of an existing Mitutoyo instrument to keep the system costs down.

### Improved Efficiency

Input measurement data with one button. Eliminate the time and errors of handwritten recording.

### Centralized data

Electronic Collection enables data to be stored In one location allowing preventive management of defects.

### Easy data storage

Data can easily be sent to a smartphone or tablet allowing data to be collected in any environment.

# U-WAVE Bluetooth®

**The new U-Wave Bluetooth transmitter utilizes a different wireless technology than the U-Wave and U-Wave Fit**

| Specifications | U-Wave Bluetooth | U-Wave & U-Wave Fit |
|---|---|---|
| Wireless communication protocol | Bluetooth 4.2 Low Energy | Based on IEEE 802. 15. 4 |
| Communication distance | Approx. 10 m (within visible range) | Approx. 20 m (within visible range) |
| Battery Life (CR2032) | 200,000 Transmissions with U-WavePak-BM 50,000 Transmissions with U-WavePak-BW | 400,000 Transmissions |
| Receiver Required | None | U-Wave-R |
| Data confirmation | Led or Buzzer(optional) | Led or Buzzer(optional) |
| Communcation frequency | 2.4 GHz | 2.4 GHz |
| OS compatibility | U-Wavepak-BW supports Windows® 10 (32bit, 64bit) U-WavePak-BM supports IOS and Android | U-WavePak supports Windows® 2000 Professional (≥SP4), Windows® XP Professional (≥SP2), Windows® XP Home Edition (≥SP2), Windows Vista®, Windows® 7 (32bit, 64bit), Windows® 8, 8.1, 10 (32bit, 64bit) |

| | | | Connectors | Transmitters |
|---|---|---|---|---|
| **For Micrometers** | **Standard Types** | IP 65 | **No.02AZF310** | **U-WAVE-TMB*** **No.264-627** Buzzer Type |
| | **Waterproof-Proof Types** | IP 65 | | **U-WAVE-TMB*** **No.264-626** IP 67 |
| **For Calipers** | **Standard Types** | | **No.02AZF300** | **U-WAVE-TCB*** **No.264-625** Buzzer Type |
| | **Coolant-Proof Types** | IP 67 | **No.02AZF310** | **U-WAVE-TCB*** **No.264-624** IP 67 |

\* U-WAVE-TMB / TCB can only be used in countries that have obtained wireless certification, including the country of purchase. For use in countries other than the country of purchase, please contact our nearest sales office. It is not compatible with the existing product U-WAVE fit because the communication specification is different.

# Mitutoyo

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- Test Equipment and Seismometers
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