# Mitutoyo

# U-WAVE FIT

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

## Compact, wireless data transmission system.



SMALL TOOL INSTRUMENTS
AND DATA MANAGEMENT

**NEW** Products

Mitutoyo's new U-Wave Fit wireless data transmitter fits to the back of popular Mitutoyo hand-held measuring instrument. This new design allows for a snug fit behind the display resulting in a more ergonomic feel. U-Wave Fit is the same technology as the U-Wave T, just a smaller version.

- The transmitter is designed to fit in the space behind the display, and the connecting cable has been replaced by a rigid connector
- Approx. 20 m transmission range (within visible range)
- 2.4GHz wireless system for reliable and secure data transmission
- Easy data export to Microsoft® Excel® or SPC software applications
- Transmitter confirms data transfer by an LED signal and optional buzzer
- An IP67 transmitter is available to ensure a coolant-proof gaging system
- Low power consumption: 400.000 data transmissions with a single battery


IP65 Micrometer with
U-WAVE-TM (buzzer type) and connection unit


Standard caliper with
U-WAVE-TC (buzzer type) and connection unit


Left: U-WAVE-TC with connection unit
Right: U-WAVE-TM with connection unit

## Specifications

| | |
|---|---|
| Wireless communication protocol | IEEE 802. 15. 4 |
| Modulation method | DS-SS (Direct Sequence Spread Spectrum) |
| Communication distance | Approx. 20 m (within visible range) |
| Communication speed | 250 kbps |
| Communication frequency | 2.4 GHz (ISM: universal frequency band) |
| User band | 15 channels (2.405 to 2.475GHz at intervals of 5 MHz) |
| OS compatibility | 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) |

### U-WAVE-T (Transmitter)

| No. | Model | Measuring Instrument* | Remarks | Data reception indication |
|---|---|---|---|---|
| **264-620** | U-WAVE-TC | 4", 6", 8", 12", IP67 caliper/standard caliper | IP67 type | LED |
| **264-621** | U-WAVE-TC | 4", 6", 8", 12", IP67 caliper/standard caliper | Buzzer type | Buzzer/LED |
| **264-622** | U-WAVE-TM | COOLANT-PROOF (IP65) micrometer | IP67 type | LED |
| **264-623** | U-WAVE-TM | COOLANT-PROOF (IP65) micrometer | Buzzer type | Buzzer/LED |
| **02AZF310** | Connection unit | IP67 caliper/COOLANT-PROOF (IP65) micrometer | Waterproof type | – |
| **02AZF300** | Connection unit | Standard caliper | Standard type | – |

* Please contact Mitutoyo or distributor for further details

### U-WAVE-R (Receiver)

| No. | Remarks | Software | Number of U-WAVE-R units that can be connected to PC | Number of U-WAVE-T units that can be connected | USB cable length [m] | Dimensions (WxDxH) [mm] | Mass [g] |
|---|---|---|---|---|---|---|---|
| **02AZD810D** | U-WAVE-R + software | U-WAVE PAK | Up to 15 | Up to 100 | 1 | 140 x 80 x 31.6 | 130 |

# Mitutoyo

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