

# U-WAVE FIT

MeasurLink<sup>®</sup> ENABLED  
Data Management Software by Mitutoyo

Compact, wireless data transmission system.



SMALL TOOL INSTRUMENTS  
AND DATA MANAGEMENT



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- The transmitter is designed to fit in the space behind the display, and the connecting cable has been replaced by a rigid connector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

### 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)



IP65 Micrometer with U-WAVE-TM (buzzer type) and connection unit (Package No. 264-623-BZ-M)



Standard caliper with U-WAVE-TC (buzzer type) and connection unit (Pkg No. 264-621-BZ-S)



Left: U-WAVE-TC with connection unit (Pkg No. 264-620-IP)  
Right: U-WAVE-TM with connection unit (Pkg No. 264-622-IP-M)

### U-WAVE-T (Transmitter) and Connection Unit Packages

No.	Model	Measuring Instrument*	Data reception indication
<b>264-620-IP</b>	U-Wave-TC-IP67	U-WAVE FIT, IP67 TRANSMITTER AND CONNECTOR FOR IP CALIPERS	LED
<b>264-620-IP-S</b>	U-Wave-TC-Standard	U-WAVE FIT, IP67 TRANSMITTER AND CONNECTOR FOR STANDARD CALIPERS	LED
<b>264-621-BZ-S</b>	U-Wave-TC-Buzzer	U-WAVE FIT, BUZZER TRANSMITTER AND CONNECTOR FOR STANDARD CALIPERS	LED/Buzzer
<b>264-622-IP-M</b>	U-Wave-TM-IP67	U-WAVE FIT, IP67 TRANSMITTER AND CONNECTOR FOR MICROMETERS	LED
<b>264-623-BZ-M</b>	U-Wave-TM-Buzzer	U-WAVE FIT, BUZZER TRANSMITTER AND CONNECTOR FOR MICROMETERS	LED/Buzzer

\* 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 (Wx-DxH) [mm]	Mass [g]
<b>02AZD810D</b>	U-WAVE-R + software	U-WAVE PAK	Up to 15	Up to 100	1	140 x 80 x 31.6	130



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