

# U-Wave Fit

## SERIES 264 — Wireless Data Transmitter

### FEATURES

- The transmitter is designed to fit in the space behind the display, and the connecting cable has been replaced by a rigid connector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



264-620



264-621



264-622



264-623



02AZF310



02AZF300

### U-WAVE-T (Transmitter)

| Order 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   | —                         |

\*A connection unit is required when ordering a transmitter



02AZD810D

### U-WAVE-R (Receiver)

| Order 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 16                                             | Up to 100                                      | 1                    | 140 x 80 x 31.6         | 130      |

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

**U-WAVE fit**



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



For micrometers

**U-WAVE-TM**



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



For calipers

**U-WAVE-TC**

**d2**

"d2" is the name for Mitutoyo Digimatic output compatible with up to 8 digits of I/O data.