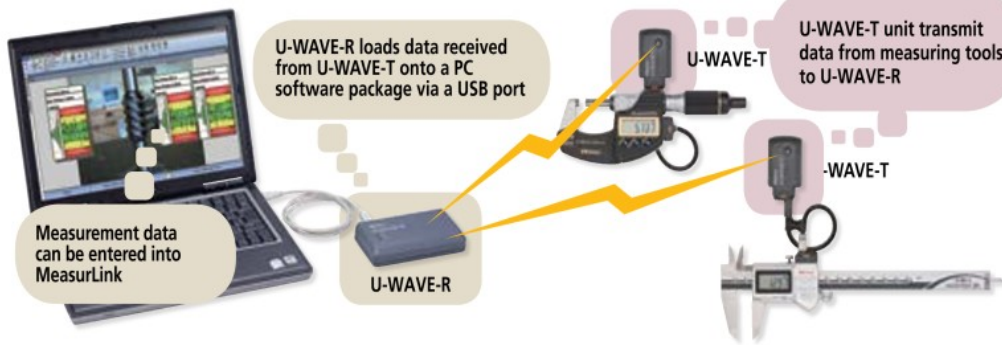


# U-WAVE

## Measurement Data Wireless Communication System

**MeasurLink** ENABLED  
Data Management Software by Mitutoyo



The **U-WAVE** system enables easy wireless data communication from a measuring tool to a PC using the digimatic protocol. Measurement efficiency is improved by eliminating the long and cumbersome data cables. The user-friendly interface allows data to be loaded into any software product that accepts keyboard input, such as Excel\* or Notepad.

### 1 U-WAVE-R · Registered Design (Japan)

#### Major Specifications of U-WAVE-R

Model	U-WAVE-R
Order No.	02AZD810D*
Power supply	USB bus power system
Number of <b>U-WAVE-R</b> units that can be connected to one PC	Up to 15
Number of <b>U-WAVE-T</b> units that can be connected	Up to 100
External dimensions	5.51" x 3.15" x 1.24" (140 x 80 x 31.6mm)
Mass	.29 lbs (130g)



\*Detailed information on conformity standards of wireless communication specification is given below.

### 2 U-WAVE-T · Registered Design (Japan)

#### U-WAVE-T sends measurement data to U-WAVE-R.

Actual size



Standard accessory: screwdriver

Major specifications of U-WAVE-T

Model	U-WAVE-T (IP67 model)	U-WAVE-T (Buzzer)
Order No.	02AZD730G*	02AZD880G*
Protection Rating	IP67	-
Data reception indication	LEDs	LEDs and Buzzer
Power supply	Lithium battery CR2032*1	
Battery life	Approx. 400,000 transmissions	
External dimensions	1.73" x 1.17" x .73" (44 x 29.6 x 18.5 mm)	
Mass	.05 lbs (23g)	

\*Detailed information on conformity standards of wireless communication specification is given below.

### Installation Bracket Kit Order No. 02AZE200

**d2**

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



500 Series Caliper

293 Series Micrometer

543 Series Indicator

### Specifications of wireless communication

Conformity standards	European conformity standards*	Wireless standards	Conform to IEEE802.15.4
	EN 50371:2002	Wireless communication distance	Approx. 60ft (within visible range)
	EN 300 440-1 V1.3.1	Wireless communication speed	250 kbps
	EN 300 440-2 V1.1.2	Transmission output	1 mW (0 dBm) or less
	EN 301 489-01 V1.6.1	Modulation method	DS-SS (direct sequence spread spectrum) Resistant to interfering signal or noise.
	EN 301 489-03 V1.4.1	Communication frequency	2.4 GHz band (ISM band: universal frequency)
	U.S.A. conformity standards	Used band	15 channels (2.405 to 2.475GHz at intervals of 5MHz) The noise search function can avoid interference with other communication devices.
47 CFR Part 15.247:(Subpart :C)			
47 CFR Part 15:(Subpart :B)			
Canada conformity standards			
RSS-210 (Issue 7)			
RSS-Gen (Issue 2)			
ICES 003 (Issue 4)			

Note: In accordance with wireless regulations the use of this product is permitted in Japan, Europe (a total of 32 countries including 27 EU members, 4 EFTA members and Turkey), U.S.A. and Canada. This product must not be used in other countries or areas.

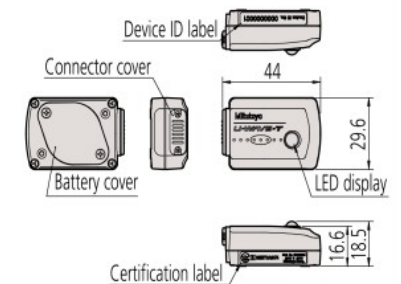
\* This product is not compatible with the conventional Mu-WAVE, for which communication specifications are different.

\* Japan conformity standards: ARIB STD-T66

### Dimensions of Each Part

Unit: mm

#### U-WAVE-T



#### U-WAVE-R

