

# Measurement Data Management

## What is the U-WAVE Series?

- The **U-WAVE** Measurement Data Wireless Communication System quickly collects accurate measurement data from the on-site inspection process to help perform detailed analysis.
- Measurement results can be sent wirelessly and saved on a PC, smartphone or tablet. This is a smart system not requiring handwriting or manual input from a keyboard.

Acquire measurement data from various Digimatic gages equipped with U-WAVE.

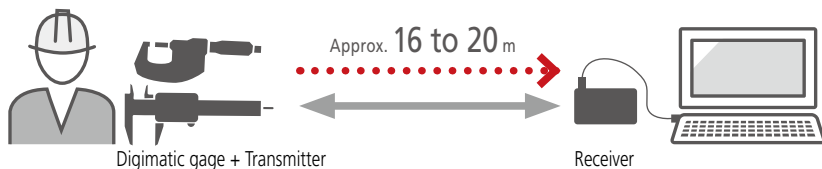
Instantly transfer data wirelessly to your PC, smartphone or tablet.



You can choose from a variety of products and applications.

Stable communication is possible up to a maximum communication distance of 16-20 m\*. Efficiency is greatly improved by being able to work without worrying about cable length or snags, etc.

- Freedom of movement
- Human error during manual input is eliminated
- Flexible layout of measurement site
- Stable wireless communication



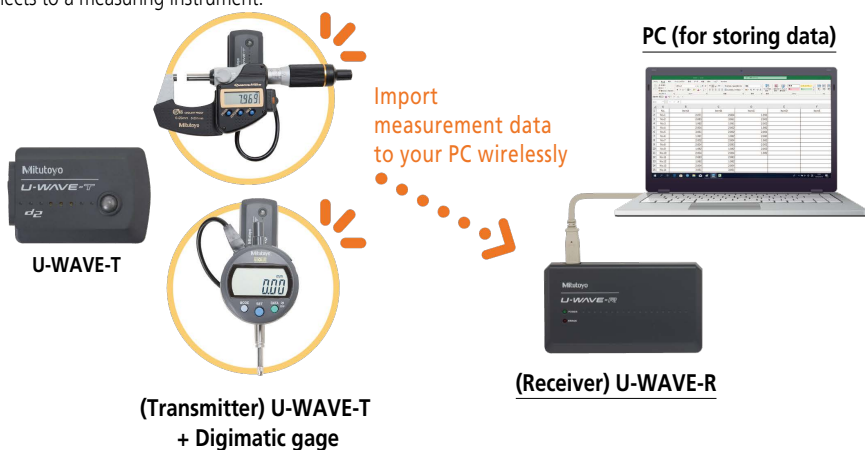
\*May be affected by the electromagnetic environment.

Note: Receiver not necessary when using with **Mitutoyo Bluetooth® U-WAVE fit**

The following three types are currently available.

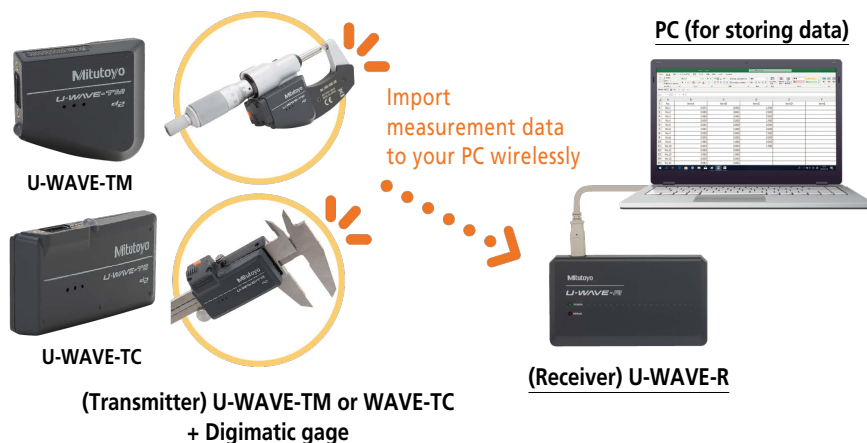
## U-WAVE

The system consists of a "U-WAVE-R" receiver that connects to a PC and a "U-WAVE-T" transmitter that connects to a measuring instrument.



## U-WAVE fit

While inheriting the functions and performance of **U-WAVE**, these models have been made smaller and thinner, and have improved operability, being designed specifically for use with small digimatic gages.



## U-WAVE fit Bluetooth®

This is a **Bluetooth®** version of **U-WAVE fit**. It can connect to a **Bluetooth®**-enabled device such as a PC, smartphone, or tablet without going through a **U-WAVE-R** or similar dedicated receiver.

Note: Connectivity of the dedicated Mitutoyo **U-WAVE fit Bluetooth®** application and **U-WAVE-TMB/TCB** to every single Bluetooth® device is not guaranteed.



## Function comparison table

	U-WAVE	U-WAVE fit* <sup>1</sup>	U-WAVE fit Bluetooth®* <sup>1</sup>
Transmission method	Original <based on IEEE802.15.4 (2.4 GHz)>		
Communication distance	Approx. 20 m (line of sight)		Approx. 16 m (line of sight)
Connectible model	Digimatic gages	Digimatic small measuring instruments* <sup>3</sup>	
Dedicated application/software	<b>U-WAVEPAK</b> (included with <b>U-WAVE</b> receiver) <b>USB-ITPAK</b> * <sup>2</sup>		<b>U-WAVEPAK-BW</b> <b>U-WAVEPAK-BM</b> <b>U-WAVE Navi</b> <b>USB-ITPAK</b> * <sup>2</sup>

\*1 Please check the list of compatible models since the unit may not be attachable to some models.

\*2 The device may not be recognised when using older versions of Windows OS.

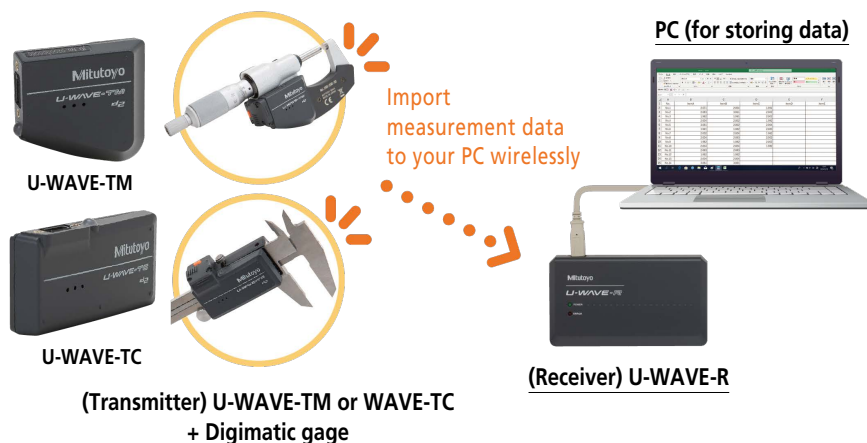
\*3 A Digimatic indicator (**ID-CNX**) can also be connected using a connecting unit.

Product catalog  
E12051



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