Catalog No. E12048(2)



Measurement Data Wireless Communication System Mitutoyo Bluetooth[®] U-WAVE





U-WAVE now available with Bluetooth® wireless technology





Small Tool Instruments and Data Management



Mitutoyo

Easy to Connect

Receiver-less Measurement Data Wireless Communication System Allows direct measurement data transmission to smartphones, tablets and PCs.

Bluetooth®

U-WAVEPAK-BW, the computer

is available for download from our

https://www2.mitutoyo.co.jp/eng/contact/products/u-wave/index2.html

company's website.

communication software for transferring

measurement data to computer software,

U-WAVEPAK-BM (English version only),

the communication software for transferring measurement data to smartphones and tablets is available at app stores for free download.



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Note1: This application operates with Windows Terminal for Windows 10 equipped with the Bluetooth[®] wireless technology function. If your Windows Terminal does not have this function, please purchase a commercially available Bluetooth[®] receiver Note2: We cannot guarantee the operation of this application and **U-WAVE-TMB/TCB** with all Bluetooth[®] equipped devices.



Mitutoyo Bluetooth[®] U-WAVE **U-WAVE-TMB/TCB**

More compact and thinner for a better fit with Digimatic gages, and featuring improved operability and performance inherited from its predecessor, U-WAVE-TMB/TCB is now available with Bluetooth® wireless technology. No receiver is required, and one PC can connect up to seven units of Mitutoyo Bluetooth® U-WAVE. Dust/water-proof models are also available for arduous shop floor usage.



Note: Connectivity of this application software and U-WAVE-TMB/TCB to every single Bluetooth® device is not guaranteed.

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Manage Measurement Data Centrally and Wirelessly on a Smartphone, Tablet or PC



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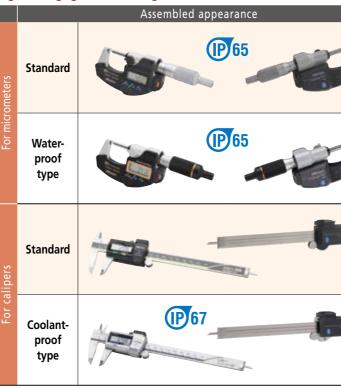
With Bluetooth[®] wireless technology for Easy Pairing with Your Digimatic Micrometer or Caliper

U-WAVE-TMB/TCB is compatible with most Digimatic micrometers and calipers. Refer to our company's website for details on product compatibility. https://www.mitutoyo.co.jp/eng/support/service/catalog/10/E12000_appendix.pdf





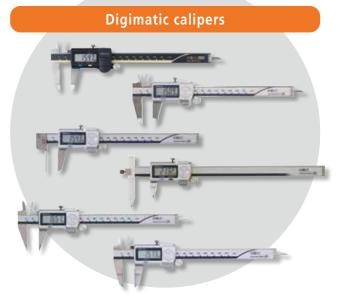
Digimatic gage, connecting unit and transmitter combinations



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Connecting unit	Transmitter		
02AZF310	U-WAVE-TMB buzzer type 264-627		
	U-WAVE-TMB IP67 type dust/water-proof 264-626 IP67		
02AZF300	U-WAVE-TCB buzzer type 264-625		
02AZF310	U-WAVE-TCB IP67 type dust/water-proof 264-624		

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Specifications

Transmitter (Refer to page 5 for combinations.)

Product name	U-WAVE-TMB (for D	igimatic micrometers)	U-WAVE-TCB (for Digimatic calipers)		
Model	U-WAVE-TMB (IP67 type dust/water-proof)	U-WAVE-TMB (buzzer type)	U-WAVE-TCB (IP67 type dust/water-proof)	U-WAVE-TCB (buzzer type)	
Order No.	264-626	264-627	264-624	264-625	
Protection level	IP67	N/A	IP67	N/A	
Data reception indication	LED	LED, buzzer	LED	LED, buzzer	
Power supply	Lithium battery CR2032×1				
Battery life	Approx. 1 year under normal conditions of use, but varies according to usage.				
Mass	18 g				
Appearance	Mildayo Lianwertau	Nelsloye Lowersenses	Atlative B	Medaye Variation W	
External dimensions				(mr	

Connecting unit (Refer to page 5 for combinations.)

Product name	Order No.	Protection level	Mass	Appearance	External dimensions
Connecting unit (for dust/water-proo type)	02AZF310	IP67	6 g		27.15 (mm) (g c) (g c) (
Connecting unit (for standard type)	02AZF300	N/A	6 g		26.25 (mm) (mm) 26.25 9 (1) 26.25 9 (1) 9 (1) 26.25 9 (1) 9 (1)

Wireless Communication Specifications

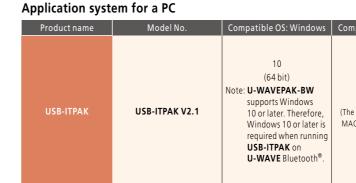
Wireless communication	Bluetooth [®] 4.2 Low Energy
Wireless communication distance	Approx. 16 m (line of sight) Approx. 10 m (in a factory environment)
Transmission output	3.2 mW (5 dBm) or less (Class2)
Modulation method	FH-SS (Frequency-hopping spread spectrum)
Communication frequency	2.4 GHz band

Note 1: To use U-WAVE-TMB/TCB, conformity to the radio law of each country is required. Please contact your dealer or nearest Mitutoyo sales office.

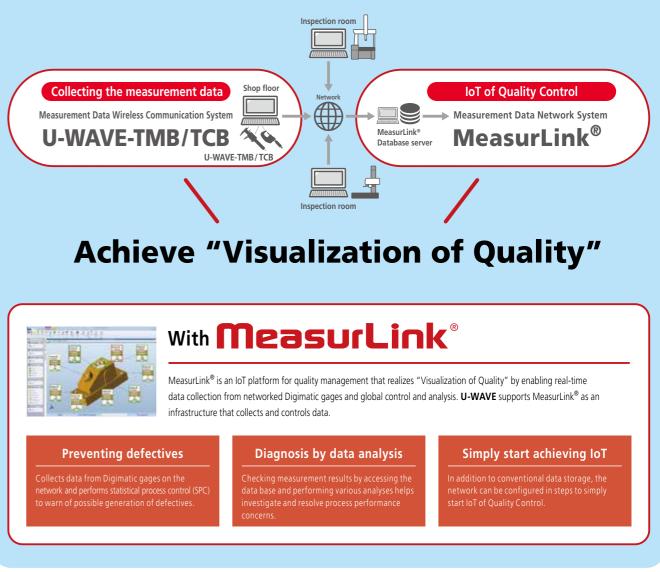
Note 2: U-WAVE-TMB/TCB is not compatible with U-WAVE fit, for which communication specifications are different.



Optional Products



Configuring the measurement data network system MeasurLink® based on U-WAVE-TMB/TCB





MeasurLink® is a registered trademark of Mitutoyo Corporation in Japan and Mitutoyo America Corporation in the United States.



mpatible Excel version	Order No.	Appearance
2016 ne operation with Excel for AC OS is not guaranteed.)	06AFM386	
		A USB dongle must be connected to

the PC running the software.



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



Find additional product literature and our product catalogue

https://www.mitutoyo.co.jp/global.html

Our products are classified as regulated items under Japanese Foreign Exchange and Foreign Trade Law. Please consult us in advance if you wish to export our products to any other country. If the purchased product is exported, even though it is not a regulated item (Catch-All controls item), the customer service available for that product may be affected. If you have any questions, please consult your local Mitutoyo sales office.

Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

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Mitutoyo Corporation

20-1, Sakado 1-Chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8533, Japan T +81 (0) 44 813-8230 F +81 (0) 44 813-8231 https://www.mitutoyo.co.jp