

Measurement Data Wireless Communication System **U-WAVE**

Small Tool Instruments
and Data Management



U-WAVE *fit*

U-WAVE *fit*

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We call U-WAVE-TM/TC "U-WAVE fit" based on its compact and thinner design that provides a better fit to the Digimatic gage and better operability.

Promotes Smart Factory by Collecting and Managing Measurement Data

"U-WAVE", the measurement data wireless communication system, collects data in the inspection process swiftly and accurately, and increases a company's competitiveness based on detailed data analysis. In addition, together with MeasurLink, "IoT of Quality Control envisioned by Mitutoyo" can be achieved.

Achieve Smart Measurement

Measurement Data Wireless Communication System

U-WAVE

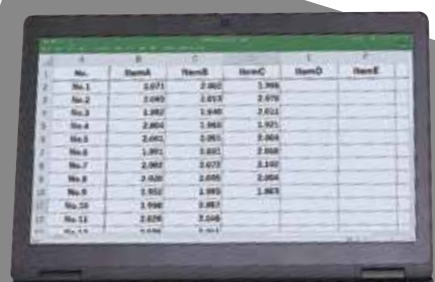
This is a system that transmits data from Mitutoyo Digimatic gages to software such as Excel or Notepad via wireless communication. It saves time and eliminates misinput, helps achieve cost reductions and better efficiency while maintaining excellent operability.

U-WAVE^{fit}

Compared to U-WAVE-T, compact and thin design provides a better fit to the Digimatic gage and better operability.

From a Digimatic gage connected with U-WAVE

Data is obtained via wireless communication and sent to commercial software such as Excel



No.	ItemA	ItemB	ItemC	ItemD	ItemE
No. 1	0.001	0.002	0.003	0.004	0.005
No. 2	0.002	0.003	0.004	0.005	0.006
No. 3	0.003	0.004	0.005	0.006	0.007
No. 4	0.004	0.005	0.006	0.007	0.008
No. 5	0.005	0.006	0.007	0.008	0.009
No. 6	0.006	0.007	0.008	0.009	0.010
No. 7	0.007	0.008	0.009	0.010	0.011
No. 8	0.008	0.009	0.010	0.011	0.012
No. 9	0.009	0.010	0.011	0.012	0.013
No. 10	0.010	0.011	0.012	0.013	0.014
No. 11	0.011	0.012	0.013	0.014	0.015
No. 12	0.012	0.013	0.014	0.015	0.016
No. 13	0.013	0.014	0.015	0.016	0.017
No. 14	0.014	0.015	0.016	0.017	0.018
No. 15	0.015	0.016	0.017	0.018	0.019
No. 16	0.016	0.017	0.018	0.019	0.020
No. 17	0.017	0.018	0.019	0.020	0.021
No. 18	0.018	0.019	0.020	0.021	0.022
No. 19	0.019	0.020	0.021	0.022	0.023
No. 20	0.020	0.021	0.022	0.023	0.024

Advantages of Introducing U-WAVE

Higher Efficiency

Data can be input by single button operation! Since there is no need for manual input misinput does not occur. Efficiency is greatly improved!

Centralized Data Management

Measurement data can be managed centrally!
"Visualization of quality" helps prevent the generation of defective products!

Cost Reduction Effect

Easily connected to the Digimatic gage* currently in use!

A system configuration reducing the initial and running cost is possible.

* Some models of U-WAVE-TM/TC are not applicable.

U-WAVE resolves measuring process issues!

Issue

Manual input of measurement data is inefficient and frequently generates misinput.

Solution

U-WAVE immediately transmits the measurement data to your PC. Misinput due to manual input can be eliminated, and therefore data reliability and operational efficiency is improved.

Issue

Loading measurement data via wireless is seen as desirable but justifying any high initial investment is difficult.

Solution

No high initial investment required because U-WAVE can be inexpensively connected to your existing Digimatic gages. No need to purchase replacements.

Issue

Since multiple operators use Digimatic gages, it takes a long time for data collection and Pass/fail judgment.

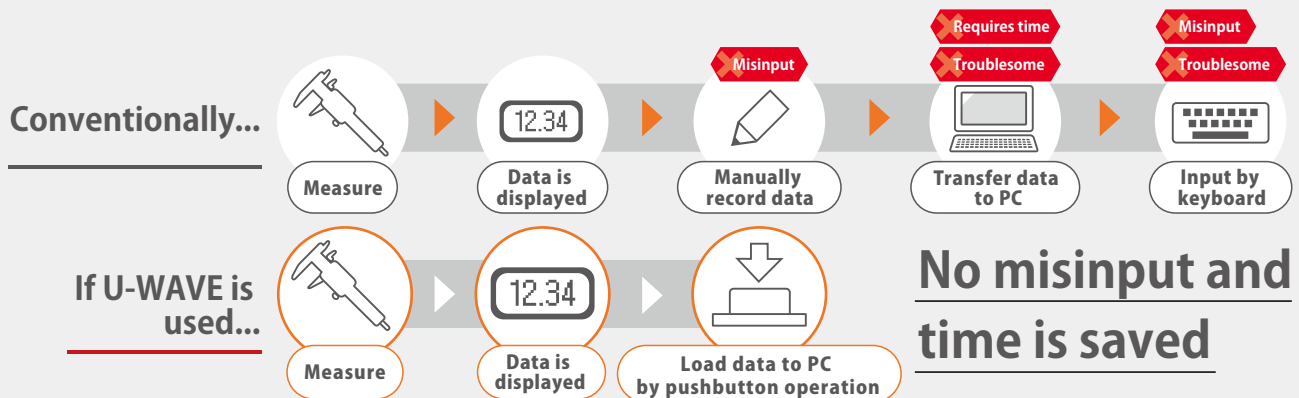
Solution

Up to 100 Digimatic gages can be registered to a single U-WAVE receiver on the PC side. The data is automatically entered separately in the Excel sheet. Therefore, data collection and Pass/fail judgment are easily performed.



Speedy and Reliable Data Collection and Pass/fail Judgment Improves Manufacturing Competitiveness

Higher Efficiency



LED or a buzzer notifies data reception

Confirmation that data was successfully received.

Note: The buzzer sound is only available with the buzzer equipped model.



- Normally received: green LED blinks
- Buzzer sounds twice briefly



- Reception failed: red LED blinks
- Buzzer sounds once

Patented in Japan

Dustproof and water resistant IP67 model

The water-proofed transmitter is resistant to water and dust.



IP67

Cordless enables freedom of movement

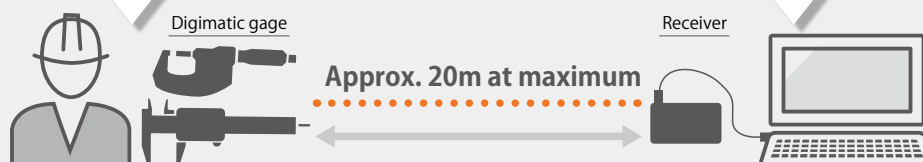
No cord allows easy operation.

Wireless communication range up to 20 m*1 (line of sight)

The measurement site can be layout freely.

*1: May be less according to the operating environment.

*1: May be less, if the Digimatic gage is used while covered by hand.



Misinput generated by manual input is eliminated

The measurement data can be directly input by a single button operation.



Stable wireless communication

Mitutoyo's original wireless communication based on IEEE802.15.4 (2.4 GHz) has been adopted.

Advantage

Centralized Data Management

Operation in an Excel sheet

The data can be directly read into an Excel sheet.



Digitalization enables easy data collection and analysis

The measurement data from each process can be stored and managed centrally.



Up to 100 Digimatic gages can be registered

Using USB-ITPAK V2.1, data can be laid out for each Digimatic gage based on the data identification ID.

Up to 15 units can be connected to a PC

Data can be collected from any measuring instrument equipped with the Digimatic output function.

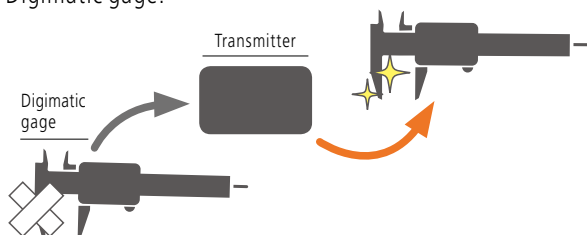


Cost Reduction Effect

Point

If a Digimatic gage is damaged, operation can be continued using a different gage

The transmitter can be reconnected to a different Digimatic gage.



Point

Connectable to any of your existing Digimatic gages

No need to buy a replacement if your tool is equipped with the Digimatic function.

Point

Approximately 400,000 continuous data transmissions are possible

Just one CR2032 lithium battery provides power for about 400,000 data transmissions.

Product Configuration

(Refer to pages 7 and 8 for details.)

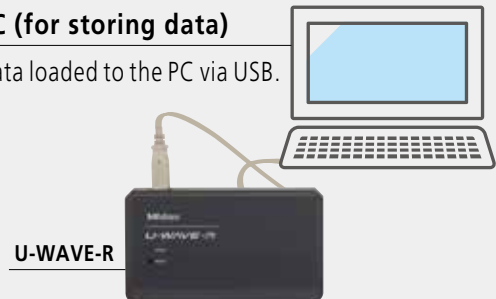
Receiver

U-WAVE-R

- Receives measurement data and transmits to the PC via USB.
- Since USB bus power system is used, a battery or adapter is not required.
- The identification ID and frequency to be used can be set using supplied software U-WAVEPAK.
- The data load function to Excel, etc. is supplied as a standard accessory.

PC (for storing data)

Data loaded to the PC via USB.



Transmitters

U-WAVE-TM/TC/T

- Transmits the measurement data displayed on the gage to U-WAVE-R.
- Compact, cable-less design provides a better fit with the Digimatic gage and better operability.

U-WAVE^{fit}



Connecting unit/connecting cable

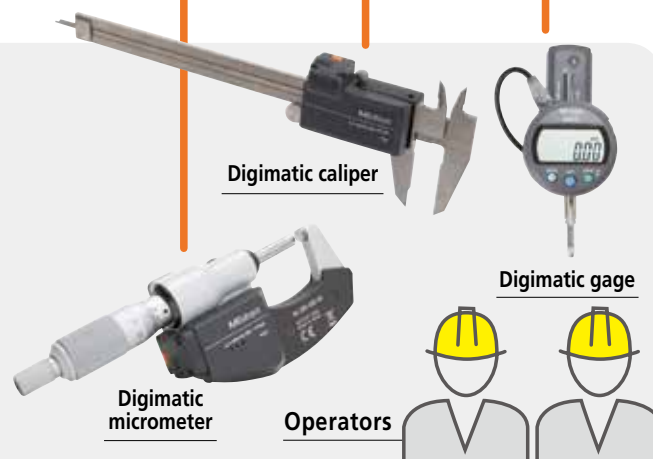
- A compact connecting unit connects the U-WAVE-TM/TC/T transmitter to the Digimatic gage.
- A dedicated cable connects the U-WAVE-T transmitter to the Digimatic gage.



Digimatic gages

Compatibility

- U-WAVE-TM/TC can be used with most of the calipers and micrometers equipped with the Digimatic output function.
- U-WAVE-T can be used with all the Digimatic gages equipped with the Digimatic output function.



Product Outline



U-WAVE-TM/TC compatible Digimatic gages(reference)

For details, refer to page 15 to 29 "U-WAVE-TM/TC Compatible Devices" or our web site.

Digimatic micrometer



Digimatic caliper



Transmitters



U-WAVE-TM/TC

Patent applied for in Japan, U.S., China, and Germany

Design registered in Japan, U.S., EU, and China

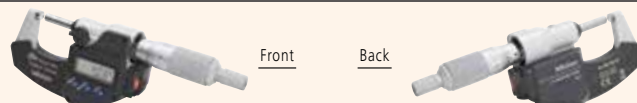
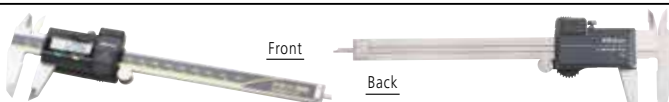
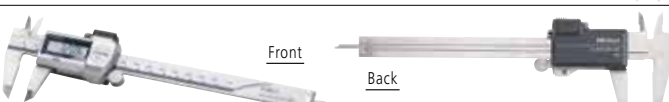
With functions and performance inherited from U-WAVE-T, a compact and thinner design provides a neater solution by eliminating cabling around the Digimatic gage and thus better operability!

U-WAVE^{fit}



U-WAVE-TM for micrometers and U-WAVE-TC for calipers are available, both as the buzzer type and water/dust-proof IP67 type. The buzzer type notifies the normal reception of data by LED and buzzer sound. The water/dust-proof IP67 type is designed for a harsh environment and as such is only equipped with LED notification of data reception.

Connecting compatible micrometers, calipers and other Digimatic gages to U-WAVE

Gage	Assembled appearance		Connecting unit/connecting cable
For micrometers	Standard		 02AZF310
	Water/dust-proof		
For calipers	Standard		 02AZF300
	Water/dust-proof		
Digimatic gages			 Connecting cable*

* Select according to the Digimatic gage to be connected. Refer to page 13 for connecting cables.

Type of Transmission Unit

U-WAVE-T

Design registered in Japan

This product successfully introduced U-WAVE to the market.



U-WAVE-T is connected to a Digimatic gage with a dedicated cable that mates with the data connector on that particular gage.



The buzzer type and water/dust-proof IP67 type are available. The buzzer type notifies the normal reception of data by LED and buzzer sound. The water/dust-proof IP67 type is designed for a harsh environment and as such is only equipped with LED notification of data reception.

Transmitter			Receiver
	U-WAVE-TM With buzzer 264-623		U-WAVE^{fit}
	U-WAVE-TM Water/dust-proof 264-622		U-WAVE^{fit}
	U-WAVE-TC With buzzer 264-621		U-WAVE^{fit}
	U-WAVE-TC Water/dust-proof 264-620		U-WAVE^{fit}
	U-WAVE-T With buzzer 02AZD880G		 U-WAVE-R 02AZD810D Design registered in Japan
	U-WAVE-T Water/dust-proof 02AZD730G		

Typical Measuring Issues Solved

In combination with application software USB-ITPAK V2.1, better efficiency in quality assurance can be achieved.

Case
1

Standard sequential measurement input

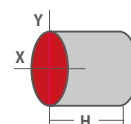
Issue

To record the measurement results, on a chart, from three points on a mass-produced product measured using two gages.

Solution

If you set the procedure of inputting data to the Excel sheet with USB-ITPAK V2.1, the measurement data is automatically entered.

- Measure the workpiece dimensions, X and Y, with a micrometer. Then, measure H with a caliper. Finally, visually check the appearance and judge OK or NG. Perform the above for 5 workpieces consecutively.



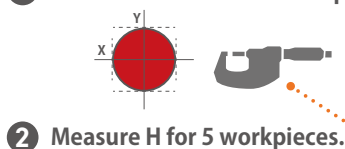
Point **Measurements in order**

The designated table will be created by measuring and transmitting data for X and Y of 5 workpieces, measuring and transmitting data of H, and then entering the result of visual check.

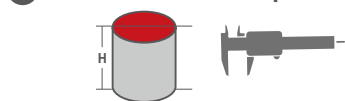
Point **Set the sequential measurement input order**

Designate the Excel sheet, select the data loading range, loading order, and allocate the ID for each cell.

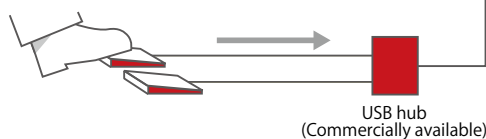
1 Measure X and Y for 5 workpieces with a micrometer.



2 Measure H for 5 workpieces.



3 Enter "OK" or "NG" for the visual check.



Designated Excel sheet

	A	B	C	D	E	F	
1	Setting	1	2	3	4	5	
2	Dimension X	10.025	10.033	9.964	10.031	10.046	Input range of micrometer
3	Dimension Y	9.982	10.017	10.008	9.996	10.027	Input range of micrometer
4	Dimension H	29.97	30.02	30.07	29.96	30.04	Input range of caliper
5	External Appearance	OK	OK	NG			Input range of visual judgment

Data will be input one by one in the registered order to the cells of the Excel sheet designated beforehand.

Option

USB-ITPAK V2.1



USB dongle



A USB dongle must be connected to the PC running the software.

Measurement Data Collection Software

USB-ITPAK V2.1

USB-ITPAK V2.1 is optional software to be installed in the PC connected with U-WAVE-R. It enables setting up the procedure to input the measurement data received from U-WAVE-R to the Excel sheet and to achieve greater inspection efficiency and enhanced credibility.

The combined use with U-WAVE will improve the operational efficiency of the inspection work.

Best suited for recording data in mass-production inspections where the procedure is repeated every day.

Case Study

Case
2Data input by
multiple operators

Issue

To sort data into separate Excel sheets per Digimatic gage in the inspection process.

Solution

The data collected by multiple operators can be individually set to be input to the designated cells in the Excel sheet.

■ Input data of each Digimatic gage in order into the designated cells of the separate Excel sheet.

Point

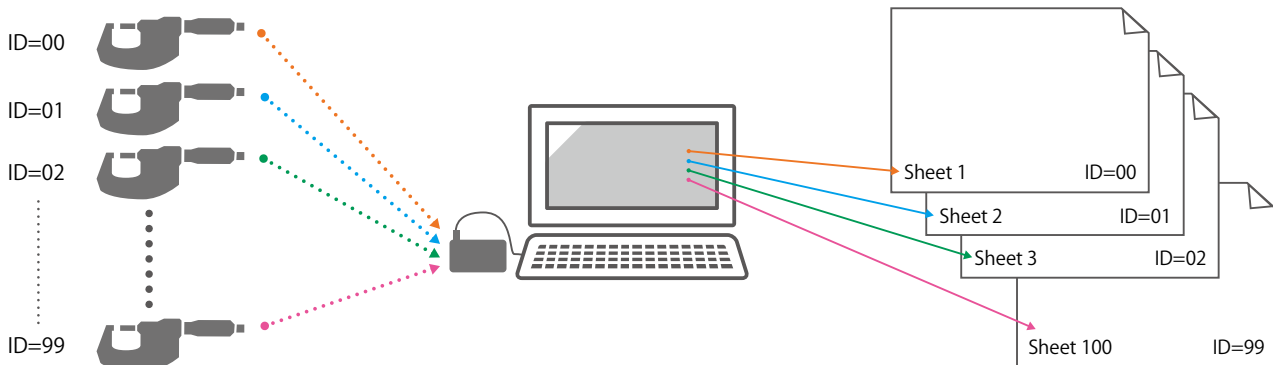
Up to 100 Digimatic gages can be registered

100 Digimatic gages at maximum can be registered to a receiver and the same number of Excel sheets can be designated.

Point

Designate the Excel sheet per Digimatic gage

Using USB-ITPAK, designate the Excel sheet per Digimatic gage. Then, same as the sequential measurement, select the data loading range, loading order, and allocate the IDs.



Multiple measurement data (via U-WAVE-TM/TC/T) can be sorted into the separate Excel sheets without requiring you to program macros.

■ Features of USB-ITPAK V2.1

- The measuring methods can be configured, such as sequential measurement, batch measurement, individual measurement and more.
- Data can be canceled by a single operation of the foot switch or function key.
- Input range can be specified per Digimatic gage, which reduces the chance of a misinput.
- Data input or cancellation can be instructed globally in multiple-point simultaneous measurement.
- The Excel sheet can be automatically called for data input.
- The cursor movement after data input can be set to enable automatic input.

Achieve “Visualization of Quality”

Collecting the measurement data

Measurement Data Wireless
Communication System
U-WAVE

IoT of Quality Control

Measurement Data Network System
MeasurLink

Configure the measurement network system MeasurLink using U-WAVE as a base



What is MeasurLink®?

MeasurLink is an IoT platform for quality management that realizes “Visualization of Quality” by enabling real-time data collection from the networked Digimatic gages and global control and analysis. U-WAVE supports MeasurLink as an infrastructure that collects and controls data.

Preventing defectives

Collects data from the Digimatic gages on the network and performs statistical process control (SPC) to warn of possible generation of defectives.

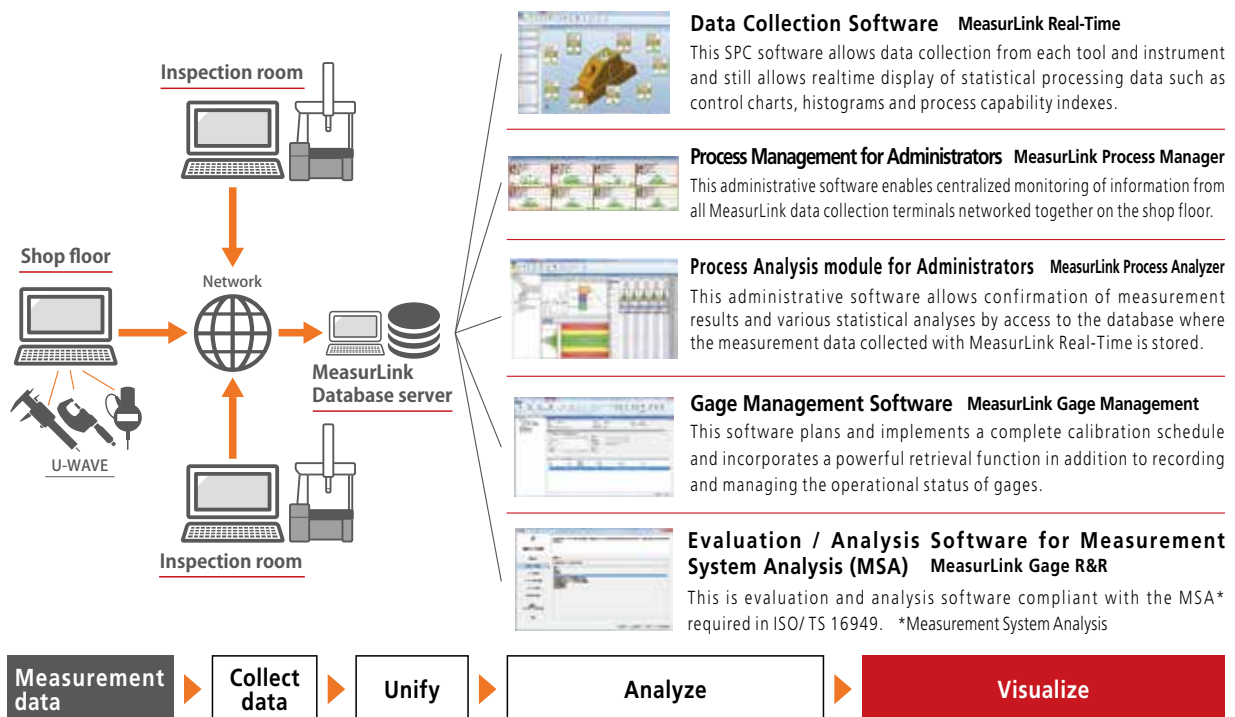
Diagnosis by data analysis

Checking measurement results by accessing the data base and performing various analyses helps investigate and resolve process performance concerns.

Simply start achieving IoT

In addition to conventional data storage, the network can be configured in steps to simply start IoT of Quality Control.

Linkage between U-WAVE and MeasurLink



Specifications

Transmitter (Refer to page 7 for combinations.)

Product name	U-WAVE-TM (for micrometers)		U-WAVE-TC (for calipers)		U-WAVE-T	
Model	U-WAVE-TM (IP67 type dust/water-proof)	U-WAVE-TM (buzzer type)	U-WAVE-TC (IP67 type dust/water-proof)	U-WAVE-TC (buzzer type)	U-WAVE-T (IP67 type dust/water-proof)	U-WAVE-T (buzzer type)
Order No.	264-622	264-623	264-620	264-621	02AZD730G	02AZD880G
Protection level	IP67	N/A	IP67	N/A	IP67	N/A
Data reception indication	LED	LED, buzzer	LED	LED, buzzer	LED	LED, buzzer
Power supply	Lithium battery CR2032x1					
Battery life	Approximately 400,000 transmissions					
Mass	18g				23g	
Appearance						
External dimensions						

Compatible OS: Windows 2000 Professional (SP2 or later) / Windows XP / Home Edition (SP2 or later) / Windows XP Professional (SP2 or later)* / Windows Vista* / Windows 7* / Windows 8* / Windows 8.1* / Windows 10* (*compatible with 32/64-bit OS)

Receiver

U-WAVE-R	
Model	U-WAVE-R
Order No.	02AZD810D
Power supply	USB bus power system
Connectable U-WAVE-R units (per PC)	Up to 15
Connectable U-WAVE-T units	Up to 100
Mass	130g
Appearance	
External dimensions	

Connecting unit/connecting cable (Refer to page 7 for combinations.)

Product name	Order No.	Protection level	Mass	Appearance	External dimensions
Connecting unit (for water/dust-proof type)	02AZF310	IP67	6g		
Connecting unit (for standard type)	02AZF300	N/A	6g		
Product name	Appearance		Cable connector type		Part No.
Dedicated cable for U-WAVE-T			A	Water-proof type with output button	02AZD790A
			B	Water-proof type with output button	02AZD790B
			C	With data-out button	02AZD790C
			D	Flat 10-pin type	02AZD790D
			E	Round 6-pin type	02AZD790E
			F	Flat straight type	02AZD790F
			G	Flat straight waterproof type	02AZD790G

Wireless Communication Specifications

Wireless communication	Original (based on IEEE802.15.4 (2.4 GHz))	Modulation method	DS-SS (Direct Sequence - Spread Spectrum) Resistant to interfering signals and noise
Wireless communication distance	Approx. 20 m (line of sight)	Communication frequency	2.4 GHz band (ISM band: Universal frequency)
Wireless communication speed	250kbps	Used band	15 channels (2.405 to 2.475 GHz at intervals of 5 MHz) The noise search function avoids interference with other communication devices.
Transmission output	U-WAVE-T: 1 mW (0 dBm) or less U-WAVE-TC/TM: 2.5 mW (4 dBm) or less		

Note: This product is a radio equipment classified in the 2.4 GHz Wide-band Low Power Data Communication System.
To use this product, conformity to the radio law of each country is required. Please contact your dealer or nearest Mitutoyo sales office.

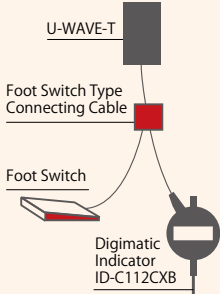
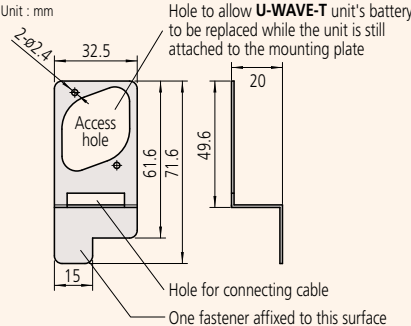
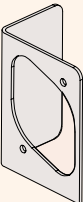
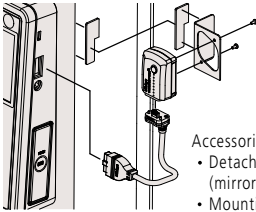
Optional Products

Application system

Product name	Model No.	Compatible OS: Windows*1	Compatible Excel version*2	Part No.
USB-ITPAK	USB-ITPAK V2.1	2000 SP4 XP SP2 or later Vista 7 8 8.1 10	2000 2002 2003 2007 2010 2013 2016	06AFM386
U-WAVEPAK (for event drive)	This is a special order product. For the latest pricing, please contact your dealer or the nearest Mitutoyo Service Center. Product configuration: Only the program CD ● For U-WAVE-R and U-WAVE-TM/TC/T, please purchase the standard model. ● Install this special order U-WAVEPAK (Event drive) and perform setups without using the standard accessory U-WAVEPAK. ● A program to send a data request command is separately required to load data to the PC. <Event drive supporting software> USB-ITPAK V2.1 (manual input by the function key or foot switch and automatic timer input enabled)			

*1: 32-bit, 64-bit OS supported *2: The operation with Excel for MAC OS is not guaranteed.

Accessories for U-WAVE-T

Product name	Product configuration			Order No.	
Foot switch and connecting cable		Foot switch		937179T	
		Connector type	A	Water-proof with switch	02AZE140A
			B	Water-proof with switch	02AZE140B
			C	With switch	02AZE140C
			D	10-pin plain	02AZE140D
			E	6-pin round	02AZE140E
			F	Straight type	02AZE140F
			G	Water-proof straight type	02AZE140G
Product name	Appearance	Dimensions and fixing example		Order No.	
U-WAVE-T Installation Bracket Kit		Unit : mm  Hole to allow U-WAVE-T unit's battery to be replaced while the unit is still attached to the mounting plate Digimatic Indicator ID-C112XB 		02AZE200	
		 Accessories • Detachable fastener , 2 pcs. (mirror-imaged) • Mounting screws, 2 pcs.		02AZE990	

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	QuantuMike	mm	293-140-30	0 - 25 mm
			293-141-30	25 - 50 mm
			293-142-30	50 - 75 mm
			293-143-30	75 - 100 mm
		inch/mm	293-180-30	0 - 1 in
			293-181-30	1 - 2 in
			293-182-30	2 - 3 in
			293-183-30	3 - 4 in
	Coolant proof micrometer	mm	293-230-30	0 - 25 mm
			293-231-30	25 - 50 mm
			293-232-30	50 - 75 mm
			293-233-30	75 - 100 mm
			293-234-30	0 - 25 mm
			293-235-30	25 - 50 mm
			293-236-30	50 - 75 mm
			293-237-30	75 - 100 mm
			293-250-30	100 - 125 mm
			293-251-30	125 - 150 mm
			293-252-30	150 - 175 mm
			293-253-30	175 - 200 mm
			293-254-30	200 - 225 mm
			293-255-30	225 - 250 mm
			293-256-30	250 - 275 mm
			293-257-30	275 - 300 mm
		inch/mm	293-330-30	0 - 1 in
			293-331-30	1 - 2 in
			293-332-30	2 - 3 in
			293-333-30	3 - 4 in
			293-334-30	0 - 1 in
			293-335-30	0 - 1 in
			293-336-30	1 - 2 in
			293-350-30	4 - 5 in
			293-351-30	5 - 6 in
			293-352-30	6 - 7 in
			293-353-30	7 - 8 in
			293-354-30	8 - 9 in
			293-355-30	9 - 10 in
			293-356-30	10 - 11 in
			293-357-30	11 - 12 in
	V-anvil micrometer	mm	314-251-30	1 - 15 mm
			314-252-30	10 - 25 mm
			314-253-30	25 - 40 mm
			314-261-30	1 - 15 mm
			314-262-30	10 - 25 mm
		inch/mm	314-351-30	0.05 - 0.6 in
			314-352-30	0.4 - 1 in
			314-353-30	1 - 1.6 in
	Uni-micrometer	mm	317-251-30	0 - 25 mm
			317-252-30	25 - 50 mm
		inch/mm	317-351-30	0 - 1 in
			317-352-30	1 - 2 in
	Disk micrometer	mm	323-250-30	0 - 25 mm
			323-251-30	25 - 50 mm
			323-252-30	50 - 75 mm
			323-253-30	75 - 100 mm

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	Disk micrometer	inch/mm	323-350-30	0 - 1 in
			323-351-30	1 - 2 in
			323-352-30	2 - 3 in
			323-353-30	3 - 4 in
	Gear tooth micrometer	mm	324-251-30	0 - 25 mm
			324-252-30	25 - 50 mm
			324-253-30	50 - 75 mm
			324-254-30	75 - 100 mm
		inch/mm	324-351-30	0 - 1 in
			324-352-30	1 - 2 in
			324-353-30	2 - 3 in
			324-354-30	3 - 4 in
	Screw thread micrometer with interchangeable spindle tip	mm	326-251-30	0 - 25 mm
			326-252-30	25 - 50 mm
			326-253-30	50 - 75 mm
			326-254-30	75 - 100 mm
		inch/mm	326-351-30	0 - 1 in
			326-352-30	1 - 2 in
			326-353-30	2 - 3 in
			326-354-30	3 - 4 in
	Interchangeable rod type depth micrometer	mm	329-250-30	0 - 150 mm
			329-251-30	0 - 300 mm
		inch/mm	329-350-30	0 - 6 in
			329-351-30	0 - 12 in
	Spline micrometer	mm	331-251-30	0 - 25 mm
			331-252-30	25 - 50 mm
			331-253-30	50 - 75 mm
			331-254-30	75 - 100 mm
			331-261-30	0 - 25 mm
			331-262-30	25 - 50 mm
			331-263-30	50 - 75 mm
			331-264-30	75 - 100 mm
		inch/mm	331-351-30	0 - 1 in
			331-352-30	1 - 2 in
			331-353-30	2 - 3 in
			331-354-30	3 - 4 in
			331-361-30	0 - 1 in
			331-362-30	1 - 2 in
			331-363-30	2 - 3 in
			331-364-30	3 - 4 in
	Outside micrometer with interchangeable anvils	mm	340-251-30	0 - 150 mm
			340-252-30	150 - 300 mm
		inch/mm	340-351-30	0 - 6 in
			340-352-30	6 - 12 in
	Point micrometer	mm	342-251-30	0 - 25 mm
			342-252-30	25 - 50 mm
			342-253-30	50 - 75 mm
			342-254-30	75 - 100 mm
			342-261-30	0 - 25 mm
			342-262-30	25 - 50 mm
			342-263-30	50 - 75 mm
			342-264-30	75 - 100 mm
		inch/mm	342-351-30	0 - 1 in
			342-352-30	1 - 2 in
			342-353-30	2 - 3 in
			342-354-30	3 - 4 in
			342-361-30	0 - 1 in

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	Point micrometer	inch/mm	342-362-30	1 - 2 in
			342-363-30	2 - 3 in
			342-364-30	3 - 4 in
	Crimp height micrometer	mm	342-271-30	0 - 20 mm
		inch/mm	342-371-30	0 - 0.8 in
	Caliper type outside micrometer	mm	343-250-30	0 - 25 mm
			343-251-30	25 - 50 mm
			343-252-30	50 - 75 mm
			343-253-30	75 - 100 mm
		inch/mm	343-350-30	0 - 1 in
			343-351-30	1 - 2 in
			343-352-30	2 - 3 in
			343-353-30	3 - 4 in
	Caliper type inside micrometer	mm	345-250-30	5 - 30 mm
			345-251-30	25 - 50 mm
		inch/mm	345-350-30	0.2 - 1.2 in
			345-351-30	1 - 2 in
	Digimatic micrometer head	mm	350-251-30	0 - 25 mm
			350-252-30	0 - 25 mm
			350-253-30	0 - 25 mm
			350-254-30	0 - 25 mm
			350-261-30	0 - 25 mm
			350-271-30	0 - 25 mm
			350-272-30	0 - 25 mm
			350-273-30	0 - 25 mm
			350-274-30	0 - 25 mm
			350-281-30	0 - 25 mm
			350-282-30	0 - 25 mm
			350-283-30	0 - 25 mm
			350-284-30	0 - 25 mm
		inch/mm	350-351-30	0 - 1 in
			350-352-30	0 - 1 in
			350-353-30	0 - 1 in
			350-354-30	0 - 1 in
			350-357-30	0 - 1 in
			350-361-30	0 - 1 in
			350-381-30	0 - 1 in
			350-382-30	0 - 1 in
			350-383-30	0 - 1 in
			350-384-30	0 - 1 in
	Disk micrometer with non-rotating spindle	mm	369-250-30	0 - 25 mm
			369-251-30	25 - 50 mm
			369-252-30	50 - 75 mm
			369-253-30	75 - 100 mm
		inch/mm	369-350-30	0 - 1 in
			369-351-30	1 - 2 in
	Sheet metal micrometer	mm	389-251-30	0 - 25 mm
			389-252-30	25 - 50 mm
			389-261-30	0 - 25 mm
			389-262-30	25 - 50 mm
			389-271-30	0 - 25 mm
			389-272-30	25 - 50 mm
		inch/mm	389-351-30	0 - 1 in
			389-352-30	1 - 2 in
			389-361-30	0 - 1 in

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	Sheet metal micrometer	inch/mm	389-362-30	1 - 2 in
			389-371-30	0 - 1 in
			389-372-30	1 - 2 in
	Tube micrometer (spherical-flat)	mm	395-251-30	0 - 25 mm
			395-252-30	25 - 50 mm
			395-253-30	50 - 75 mm
			395-254-30	75 - 100 mm
		inch/mm	395-351-30	0 - 1 in
			395-352-30	1 - 2 in
			395-353-30	2 - 3 in
			395-354-30	3 - 4 in
	Tube micrometer (spherical and cylindrical anvil)	mm	395-261-30	0 - 25 mm
			395-262-30	0 - 25 mm
			395-263-30	0 - 25 mm
			395-264-30	0 - 25 mm
		inch/mm	395-362-30	0 - 1 in
			395-363-30	0 - 1 in
	Tube micrometer (spherical anvil and spindle)	mm	395-364-30	0 - 1 in
			395-271-30	0 - 25 mm
			395-272-30	25 - 50 mm
			395-273-30	50 - 75 mm
			395-274-30	75 - 100 mm
		inch/mm	395-371-30	0 - 1 in
			395-372-30	1 - 2 in
			395-373-30	2 - 3 in
			395-374-30	3 - 4 in
	Digimatic straight line micrometer outside micrometer	mm	406-250-30	0 - 25 mm
			406-251-30	25 - 50 mm
			406-252-30	50 - 75 mm
			406-253-30	75 - 100 mm
		inch/mm	406-350-30	0 - 1 in
			406-351-30	1 - 2 in
			406-352-30	2 - 3 in
			406-353-30	3 - 4 in
	Blade micrometer with non-rotating spindle	mm	422-230-30	0 - 25 mm
			422-231-30	25 - 50 mm
			422-232-30	50 - 75 mm
			422-233-30	75 - 100 mm
			422-260-30	0 - 25 mm
			422-261-30	25 - 50 mm
			422-270-30	0 - 25 mm
			422-271-30	0 - 25 mm
		inch/mm	422-330-30	0 - 1 in
			422-331-30	1 - 2 in
			422-332-30	2 - 3 in
			422-333-30	3 - 4 in
			422-360-30	0 - 1 in
			422-361-30	1 - 2 in
			422-370-30	0 - 1 in
			422-371-30	0 - 1 in
	QuantuMike	mm	293-140	0 - 25 mm
			293-141	25 - 50 mm
			293-142	50 - 75 mm
			293-143	75 - 100 mm
		inch/mm	293-180	0 - 1 in
			293-181	1 - 2 in
			293-182	2 - 3 in

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	QuantuMike	inch/mm	293-183	3 - 4 in
	Coolant proof micrometer	mm	293-230	0 - 25 mm
			293-231	25 - 50 mm
			293-232	50 - 75 mm
			293-233	75 - 100 mm
			293-234	0 - 25 mm
			293-235	25 - 50 mm
			293-236	50 - 75 mm
			293-237	75 - 100 mm
			293-238	0 - 25 mm
			293-250	100 - 125 mm
			293-250-10	100 - 125 mm
			293-251	125 - 150 mm
			293-251-10	125 - 150 mm
			293-252	150 - 175 mm
			293-252-10	150 - 175 mm
			293-253	175 - 200 mm
			293-253-10	175 - 200 mm
			293-254	200 - 225 mm
			293-254-10	200 - 225 mm
			293-255	225 - 250 mm
			293-255-10	225 - 250 mm
			293-256	250 - 275 mm
			293-256-10	250 - 275 mm
			293-257	275 - 300 mm
			293-257-10	275 - 300 mm
		inch/mm	293-330	0 - 1 in
			293-331	1 - 2 in
			293-332	2 - 3 in
			293-333	3 - 4 in
			293-334	0 - 1 in
			293-335	0 - 1 in
			293-336	1 - 2 in
			293-350	4 - 5 in
			293-350-10	4 - 5 in
			293-351	5 - 6 in
			293-351-10	5 - 6 in
			293-352	6 - 7 in
			293-352-10	6 - 7 in
			293-353	7 - 8 in
			293-353-10	7 - 8 in
			293-354	8 - 9 in
			293-354-10	8 - 9 in
			293-355	9 - 10 in
			293-355-10	9 - 10 in
			293-356	10 - 11 in
			293-356-10	10 - 11 in
			293-357	11 - 12 in
			293-357-10	11 - 12 in
	V-anvil micrometer	mm	314-251	1 - 15 mm
			314-251-10	1 - 15 mm
			314-252	10 - 25 mm
			314-252-10	10 - 25 mm
			314-253	25 - 40 mm
			314-253-10	25 - 40 mm
			314-261	1 - 15 mm
			314-261-10	1 - 15 mm

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	V-anvil micrometer	mm	314-262	10 - 25 mm
			314-262-10	10 - 25 mm
		inch/mm	314-351	0.05 - 0.6 in
			314-351-10	0.05 - 0.6 in
			314-352	0.4 - 1 in
			314-352-10	0.4 - 1 in
			314-353	1 - 1.6 in
			314-353-10	1 - 1.6 in
			314-361	0.05 - 0.6 in
			314-361-10	0.05 - 0.6 in
			314-362	0.4 - 1 in
			314-362-10	0.4 - 1 in
	Uni-micrometer	mm	317-251	0 - 25 mm
			317-252	25 - 50 mm
		inch/mm	317-351	0 - 1 in
			317-352	1 - 2 in
	Disk micrometer	mm	323-250	0 - 25 mm
			323-251	25 - 50 mm
			323-252	50 - 75 mm
			323-253	75 - 100 mm
		inch/mm	323-350	0 - 1 in
			323-351	1 - 2 in
			323-352	2 - 3 in
			323-353	3 - 4 in
	Gear tooth micrometer	mm	324-251	0 - 25 mm
			324-251-10	0 - 25 mm
			324-252	25 - 50 mm
			324-252-10	25 - 50 mm
			324-253	50 - 75 mm
			324-253-10	50 - 75 mm
			324-254	75 - 100 mm
			324-254-10	75 - 100 mm
		inch/mm	324-351	0 - 1 in
			324-351-10	0 - 1 in
			324-352	1 - 2 in
			324-352-10	1 - 2 in
			324-353	2 - 3 in
			324-353-10	2 - 3 in
			324-354	3 - 4 in
			324-354-10	3 - 4 in
	Micrometer with interchangeable spindle tip	mm	326-251	0 - 25 mm
			326-251-10	0 - 25 mm
			326-252	25 - 50 mm
			326-252-10	25 - 50 mm
			326-253	50 - 75 mm
			326-253-10	50 - 75 mm
			326-254	75 - 100 mm
			326-254-10	75 - 100 mm
		inch/mm	326-351	0 - 1 in
			326-351-10	0 - 1 in
			326-352	1 - 2 in
			326-352-10	1 - 2 in
			326-353	2 - 3 in
			326-353-10	2 - 3 in
			326-354	3 - 4 in
			326-354-10	3 - 4 in
	Interchangeable rod type depth micrometer	mm	329-250	0 - 150 mm

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	Interchangeable rod type depth micrometer	mm	329-250-10	0 - 150 mm
			329-251	0 - 300 mm
			329-251-10	0 - 300 mm
		inch/mm	329-350	0 - 6 in
			329- 350-10	0 - 6 in
			329-351	0 - 12 in
			329-351-10	0 - 12 in
	Spline micrometer	mm	331-251	0 - 25 mm
			331-252	25 - 50 mm
			331-253	50 - 75 mm
			331-254	75 - 100 mm
			331-261	0 - 25 mm
			331-262	25 - 50 mm
			331-263	50 - 75 mm
			331-264	75 - 100 mm
		inch/mm	331-351	0 - 1 in
			331-352	1 - 2 in
			331-353	2 - 3 in
			331-354	3 - 4 in
			331-361	0 - 1 in
			331-362	1 - 2 in
			331-363	2 - 3 in
			331-364	3 - 4 in
	Outside micrometer with interchangeable anvils	mm	340-251	0 - 150 mm
			340-251-10	0 - 150 mm
			340-252	150 - 300 mm
			340-252-10	150 - 300 mm
		inch/mm	340-351	0 - 6 in
			340-351-10	0 - 6 in
	Point micrometer	mm	342-251	0 - 25 mm
			342-252	25 - 50 mm
			342-253	50 - 75 mm
			342-254	75 - 100 mm
			342-261	0 - 25 mm
			342-262	25 - 50 mm
			342-263	50 - 75 mm
			342-264	75 - 100 mm
		inch/mm	342-351	0 - 1 in
			342-352	1 - 2 in
			342-353	2 - 3 in
			342-354	3 - 4 in
			342-361	0 - 1 in
			342-362	1 - 2 in
			342-363	2 - 3 in
			342-364	3 - 4 in
	Crimp height micrometer	mm	342-271	0 - 20 mm
		inch/mm	342-371	0 - 0.8 in
	Caliper type outside micrometer	mm	343-250	0 - 25 mm
			343-251	25 - 50 mm
			343-252	50 - 75 mm
			343-253	75 - 100 mm
		inch/mm	343-350	0 - 1 in
			343-351	1 - 2 in
			343-352	2 - 3 in
			343-353	3 - 4 in

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	Caliper type inside micrometer	mm	345-250	5 - 30 mm
			345-250-10	5 - 30 mm
			345-251	25 - 50 mm
			345-251-10	25 - 50 mm
		inch/mm	345-350	0.2 - 1.2 in
			345-350-10	0.2 - 1.2 in
			345-351	1 - 2 in
			345-351-10	1 - 2 in
	Digimatic micrometer head	mm	350-251	0 - 25 mm
			350-251-10	0 - 25 mm
			350-252	0 - 25 mm
			350-252-10	0 - 25 mm
			350-253	0 - 25 mm
			350-253-10	0 - 25 mm
			350-254	0 - 25 mm
			350-254-10	0 - 25 mm
			350-261	0 - 25 mm
			350-261-10	0 - 25 mm
			350-271	0 - 25 mm
			350-271-10	0 - 25 mm
			350-272	0 - 25 mm
			350-272-10	0 - 25 mm
			350-272-20	0 - 25 mm
			350-273	0 - 25 mm
			350-273-10	0 - 25 mm
			350-274	0 - 25 mm
			350-274-10	0 - 25 mm
			350-274-20	0 - 25 mm
			350-281	0 - 25 mm
			350-281-10	0 - 25 mm
			350-282	0 - 25 mm
			350-282-10	0 - 25 mm
			350-283	0 - 25 mm
			350-283-10	0 - 25 mm
			350-284	0 - 25 mm
			350-284-10	0 - 25 mm
		inch/mm	350-351	0 - 1 in
			350-351-10	0 - 1 in
			350-352	0 - 1 in
			350-352-10	0 - 1 in
			350-353	0 - 1 in
			350-353-10	0 - 1 in
			350-354	0 - 1 in
			350-354-10	0 - 1 in
			350-357-10	0 - 1 in
			350-361	0 - 1 in
			350-361-10	0 - 1 in
			350-381	0 - 1 in
			350-381-10	0 - 1 in
			350-382	0 - 1 in
			350-382-10	0 - 1 in
			350-383	0 - 1 in
			350-383-10	0 - 1 in
			350-384	0 - 1 in
			350-384-10	0 - 1 in
	Disk micrometer with non-rotating spindle	mm	369-250	0 - 25 mm
			369-251	25 - 50 mm

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	Disk micrometer with non-rotating spindle	mm	369-252	50 - 75 mm
			369-253	75 - 100 mm
		inch/mm	369-350	0 - 1 in
			369-351	1 - 2 in
			369-352	2 - 3 in
			369-353	3 - 4 in
	Sheet metal micrometer	mm	389-251	0 - 25 mm
			389-252	25 - 50 mm
			389-261	0 - 25 mm
			389-262	25 - 50 mm
			389-271	0 - 25 mm
			389-272	25 - 50 mm
		inch/mm	389-351	0 - 1 in
			389-352	1 - 2 in
			389-361	0 - 1 in
			389-362	1 - 2 in
	Tube micrometer (spherical-flat)	mm	395-251	0 - 25 mm
			395-252	25 - 50 mm
			395-253	50 - 75 mm
			395-254	75 - 100 mm
		inch/mm	395-351	0 - 1 in
			395-352	1 - 2 in
			395-353	2 - 3 in
			395-354	3 - 4 in
	Tube micrometer (spherical and cylindrical anvil)	mm	395-261	0 - 25 mm
			395-262	0 - 25 mm
			395-263	0 - 25 mm
			395-264	0 - 25 mm
		inch/mm	395-362	0 - 1 in
			395-363	0 - 1 in
			395-364	0 - 1 in
	Tube micrometer (spherical anvil and spindle)	mm	395-271	0 - 25 mm
			395-272	25 - 50 mm
			395-273	0 - 75 mm
			395-274	75 - 100 mm
		inch/mm	395-371	0 - 1 in
			395-372	1 - 2 in
			395-373	2 - 3 in
			395-374	3 - 4 in
	Digimatic straight line micrometer outside micrometer	mm	406-250	0 - 25 mm
			406-251	25 - 50 mm
			406-252	50 - 75 mm
			406-253	75 - 100 mm
		inch/mm	406-350	0 - 1 in
			406-351	1 - 2 in
			406-352	2 - 3 in
			406-353	3 - 4 in
	Blade micrometer with non-rotating spindle	mm	422-230	0 - 25 mm
			422-231	25 - 50 mm
			422-232	50 - 75 mm
			422-233	75 - 100 mm
			422-260	0 - 25 mm
			422-261	25 - 50 mm
			422-270	0 - 25 mm

U-WAVE-TM compatible Digimatic micrometers/heads

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	Blade micrometer with non-rotating spindle	mm	422-271	0 - 25 mm
		inch/mm	422-330	0 - 1 in
			422-331	1 - 2 in
			422-332	2 - 3 in
			422-333	3 - 4 in
			422-360	0 - 1 in
			422-361	1 - 2 in
			422-370	0 - 1 in
			422-371	0 - 1 in

U-WAVE-TC compatible Digimatic caliper/depth gage

● Water / dust-proof type

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	ABSOLUTE coolant proof caliper	mm	500-712-20	0 - 150 mm
			500-713-20	0 - 200 mm
			500-714-10	0 - 300 mm
			500-716-20	0 - 150 mm
			500-717-20	0 - 200 mm
			500-718-11	0 - 300 mm
			500-719-20	0 - 150 mm
			500-721-20	0 - 150 mm
			500-722-20	0 - 200 mm
			500-723-20	0 - 150 mm
			500-724-20	0 - 200 mm
			500-727-20	0-150 mm
			500-728-20	0-200 mm
		mm/inch	500-720-20	0 - 6 in
			500-735-20	0 - 6 in
			500-736-20	0 - 8 in
			500-737-20	0 - 6 in
			500-738-20	0 - 8 in
			500-762-20	0 - 6 in
			500-763-20	0 - 8 in
			500-769-20	0 - 6 in
			500-764-10	0 - 12 in
	Dedicated caliper	mm	573-601-20	0 - 150 mm
			573-602-20	0 - 200 mm
			573-604	0 - 300 mm
			573-605-20	10.1 - 160 mm
			573-606-20	10.1 - 210 mm
			573-608	10.1 - 310 mm
			573-611-20	0 - 150 mm
			573-612-20	0 - 200 mm
			573-614	0 - 300 mm
			573-615-20	10.1 - 160 mm
			573-616-20	10.1 - 210 mm
			573-618	10.1 - 310 mm
			573-621-20	0 - 150 mm
			573-622-20	0 - 150 mm
			573-625-20	0 - 150 mm
			573-626-20	0 - 150 mm
			573-634-20	0 - 150 mm
			573-635-20	0 - 150 mm
			573-645-20	10.1 - 160 mm
			573-646-20	20.1 - 170 mm
			573-647-20	10.1 - 160 mm
			573-648-20	20.1 - 170 mm
	Dedicated caliper	mm	573-651-20	0 - 150 mm
			573-652-20	0 - 150 mm
			573-653-20	0 - 150 mm
			573-654-20	0 - 150 mm
			573-661-20	0 - 150 mm
			573-662-20	0 - 150 mm
			573-676-20	0 - 150 mm
			573-677-20	0 - 200 mm
			573-679	0 - 300 mm
		mm/inch	573-701-20	0 - 6 in
			573-702-20	0 - 8 in
			573-704	0 - 12 in
			573-705-20	0.404 - 6.4 in

U-WAVE-TC compatible Digimatic caliper/depth gage

● Water / dust-proof type

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	Dedicated caliper	mm/inch	573-706-20	0.404 - 8.4 in
			573-708	0.404 - 12.4 in
			573-721-20	0 - 6 in
			573-725-20	0 - 6 in
			573-734-20	0 - 6 in
			573-745-20	0.404 - 6 in
			573-746-20	0.804 - 6 in
			573-751-20	0 - 6 in
			573-752-20	0 - 6 in
			573-761-20	0 - 6 in
	Depth gage	mm	571-251-20	0 - 150 mm
			571-252-20	0 - 200 mm
			571-253-10	0 - 300 mm
			571-254-20	10 - 160 mm (0 - 150 mm)
			571-255-20	10 - 210 mm (0 - 200 mm)
			571-301-20	150 mm
			571-302-20	200 mm
		mm/inch	571-261-20	0 - 6 in
			571-262-20	0 - 8 in
			571-263-10	0 - 12 in
			571-264-20	0.4 - 6.4 in (0 - 6 in)
			571-265-20	0.4 - 8.4 in (0 - 8 in)
			571-311-20	0 - 6 in
			571-312-20	0 - 8 in
	Tire tread depth gage	mm	571-100-20	0 - 25 mm
		mm/inch	571-200-20	0 - 1 in
	ABSOLUTE Digimatic caliper, with nib style jaws	mm	550-301-20	0 - 200 mm (10.1 - 210 mm)
			550-331-10	0 - 300 mm (10.1 - 310 mm)
		mm/inch	550-311-20	0 - 8 in (0.404 - 8.4 in)
			550-341-10	0 - 12 in (0.404 - 12.4 in)
	ABSOLUTE Digimatic caliper, with nib style and standard Jaws	mm	551-301-20	0 - 200 mm (10.1 - 210 mm)
			551-331-10	0 - 300 mm (10.1 - 310 mm)
		mm/inch	551-311-20	0 - 8 in (0.404 - 8.4 in)
			551-341-10	0 - 12 in (0.404 - 12.4 in)
Currently available products	ABSOLUTE Digimatic caliper	mm	500-150-30	0 - 100 mm
			500-151-30	0 - 150 mm
			500-152-30	0 - 200 mm
			500-153	0 - 300 mm
			500-154-30	0 - 150 mm
			500-155-30	0 - 150 mm
			500-156-30	0 - 200 mm
			500-157-30	0 - 200 mm
			500-158-30	0 - 150 mm
			500-161-30	0 - 150 mm
			500-162-30	0 - 200 mm
			500-201-30	0 - 100 mm
			500-203-30	0 - 150 mm
			500-233-30	0 - 150 mm
			500-234-30	0 - 150 mm
			500-235-30	0 - 200 mm
			500-236-30	0 - 200 mm
			500-205	0 - 300 mm
		mm/inch	500-167	0 - 12 in
			500-168	0 - 12 in
			500-170-30	0 - 4 in
			500-171-30	0 - 6 in
			500-172-30	0 - 8 in

U-WAVE-TC compatible Digimatic caliper/depth gage

● Water / dust-proof type

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Currently available products	ABSOLUTE Digimatic caliper	mm/inch	500-173	0 - 12 in
			500-174-30	0 - 6 in
			500-175-30	0 - 6 in
			500-176-30	0 - 8 in
			500-177-30	0 - 8 in
			500-178-30	0 - 6 in
			500-202-30	0 - 6 in
			500-204-30	0 - 8 in
	Depth gage	mm	571-201-30	0 - 150 mm
			571-202-30	0 - 200 mm
			571-203-20	0 - 300 mm
		mm/inch	571-211-30	0 - 6 in
			571-212-30	0 - 8 in
	ABSOLUTE low force caliper	mm	573-191-30	0 - 180 mm
		mm/inch	573-291-30	0 - 7 in
Currently available products	ABSOLUTE solar caliper	mm	500-443	0 - 100 mm
			500-444	0 - 150 mm
			500-445	0 - 200 mm
		mm/inch	500-463	0 - 4 in
			500-464	0 - 6 in
			500-465	0 - 8 in
Discontinued products	ABSOLUTE coolant proof caliper	mm	500-712-10	0 - 150 mm
			500-713-10	0 - 200 mm
			500-716-11	0 - 150 mm
			500-717-11	0 - 200 mm
			500-719-10	0 - 150 mm
			500-721-10	0 - 150 mm
			500-722-10	0 - 200 mm
			500-723-10	0 - 150 mm
			500-724-10	0 - 200 mm
			500-727-11	0 - 150 mm
			500-728-11	0 - 200 mm
		mm/inch	500-720-11	0 - 6 in
			500-735-10	0 - 6 in
			500-736-10	0 - 8 in
			500-737-10	0 - 6 in
			500-738-10	0 - 8 in
			500-762-10	0 - 6 in
			500-763-10	0 - 8 in
			500-769-10	0 - 6 in
	Dedicated caliper	mm	573-601	0 - 150 mm
			573-602	0 - 200 mm
			573-605	10.1 - 160 mm
			573-606	10.1 - 210 mm
			573-611	0 - 150 mm
			573-612	0 - 200 mm
			573-615	10.1 - 160 mm
			573-616	10.1 - 210 mm
			573-621	0 - 150 mm
			573-622	0 - 150 mm
			573-625	0 - 150 mm
			573-626	0 - 150 mm
			573-634	0 - 150 mm
			573-635	0 - 150 mm
			573-645	10.1 - 160 mm
			573-646	20.1 - 170 mm

U-WAVE-TC compatible Digimatic caliper/depth gage

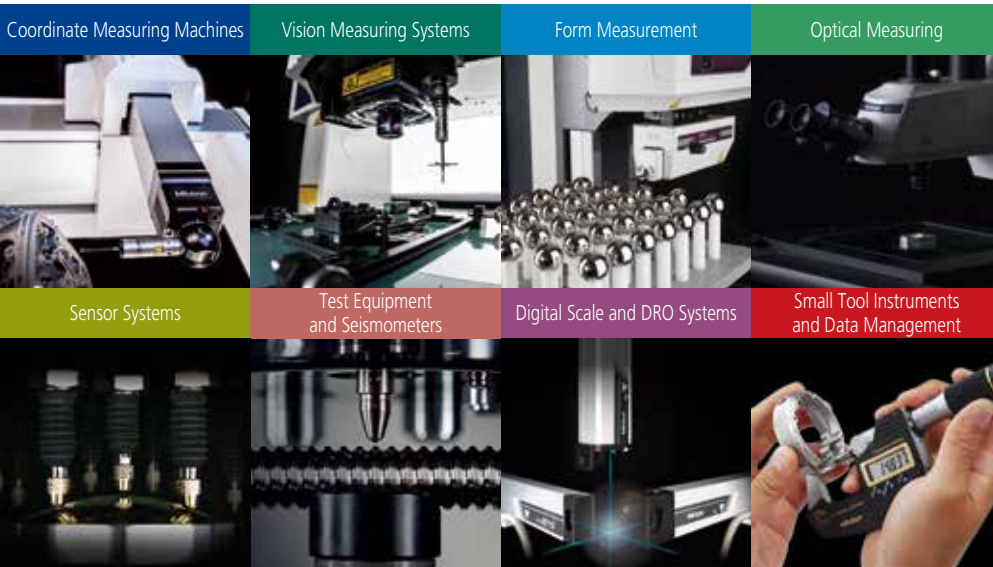
● Water / dust-proof type

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	Dedicated caliper	mm	573-647	10.1 - 160 mm
			573-648	20.1 - 170 mm
			573-651	0 - 150 mm
			573-652	0 - 150 mm
			573-653	0 - 150 mm
			573-654	0 - 150 mm
			573-661	0 - 150 mm
			573-662	0 - 150 mm
			573-676	0 - 150 mm
			573-677	0 - 200 mm
		mm/inch	573-701	0 - 6 in
			573-702	0 - 8 in
			573-705	0.404 - 6.4 in
			573-706	0.404 - 8.4 in
			573-721	0 - 6 in
			573-725	0 - 6 in
			573-734	0 - 6 in
			573-745	0.404 - 6 in
			573-746	0.804 - 6 in
			573-751	0 - 6 in
			573-752	0 - 6 in
			573-761	0 - 6 in
	Depth gage	mm	571-251-10	0 - 150 mm
			571-252-10	0 - 200 mm
			571-254-10	10 - 160 mm (0 - 150 mm)
			571-255-10	10 - 210 mm (0 - 200 mm)
			571-301-10	150 mm
			571-302-10	200 mm
		mm/inch	571-261-10	0 - 6 in
			571-262-10	0 - 8 in
			571-264-10	0.4 - 6.4 in (0 - 6 in)
			571-265-10	0.4 - 8.4 in (0 - 8 in)
			571-311-10	0 - 6 in
			571-312-10	0 - 8 in
	ABSOLUTE Digimatic caliper, with nib style jaws	mm	550-301-10	0 - 200 mm (10.1 - 210 mm)
		mm/inch	550-311-10	0 - 8 in (0.404 - 8.4 in)
	ABSOLUTE Digimatic caliper, with nib style and standard jaws	mm	551-301-10	0 - 200 mm (10.1 - 210 mm)
		mm/inch	551-311-10	0 - 8 in (0.404 - 8.4 in)
Discontinued products	ABSOLUTE Digimatic caliper	mm	500-150-20	0 - 100 mm
			500-151-20	0 - 150 mm
			500-152-20	0 - 200 mm
			500-154-20	0 - 150 mm
			500-155-20	0 - 150 mm
			500-156-20	0 - 200 mm
			500-157-20	0 - 200 mm
			500-158-20	0 - 150 mm
			500-161-21	0 - 150 mm
			500-162-21	0 - 200 mm
			500-201-21	0 - 100 mm
			500-203-21	0 - 150 mm
			500-233-21	0 - 150 mm
			500-234-21	0 - 150 mm
			500-235-21	0 - 200 mm
			500-236-21	0 - 200 mm
		mm/inch	500-170-20	0 - 4 in
			500-171-20	0 - 6 in
			500-172-20	0 - 8 in

U-WAVE-TC compatible Digimatic caliper/depth gage

● Water / dust-proof type

Currently available/ Discontinued products	Product name	mm/inch	Order No.	Measuring range
Discontinued products	ABSOLUTE Digimatic caliper	mm/inch	500-174-20	0 - 6 in
			500-175-20	0 - 6 in
			500-176-20	0 - 8 in
			500-177-20	0 - 8 in
			500-178-20	0 - 6 in
			500-202-21	0 - 6 in
			500-204-21	0 - 8 in
	Depth gage	mm	571-201-20	0 - 150 mm
			571-202-20	0 - 200 mm
		mm/inch	571-211-20	0 - 6 in
			571-212-20	0 - 8 in
	ABSOLUTE low force caliper	mm	573-191-20	0 - 180 mm
		mm/inch	573-291-20	0 - 7 in



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