#### Order No.

Model No.	USB-ITPAK V2.1
Order No.	06AFM386

Upgrade pricing from V1.0 and V2.0 is not available. Please purchase V2.1.

#### USB-ITPAK V2.1 USB dongle



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

#### **Operating environment**

Compatible OS *1	Windows 2000 SP4 Windows XP SP2 or later Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10		
Supported Excel versions *2	Excel 2002 Excel 2003 Excel 2007 Excel 2010 Excel 2013 Excel 2013		
Hard disk	Free space of more than 10 MB		
CD-ROM drive	For program installation		
USB port *3	2 ports or more		
Monitor resolution	800×600, 256 colors or more		

\*1 32-bit, 64-bit OS supported
 \*2 Operation with Excel for MAC OS is not guaranteed.
 \*3 A commercially available hub can be used. (USB certified product is recommended)

#### Language support

- Operation language (15 languages)
- Japanese, English, German, French, Spanish, Italian, Czech, Swedish, Turkish, Polish, Hungarian, Russian, Korean, Chinese (traditional/simplified)

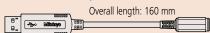
Operation manual (PDF file)

Japanese, English, German

#### Order No.

Model No.	USB-FSW	
Order No.	06ADV384	

#### Foot Switch Adapter USB-FSW



## **Measurement Data Collection Software**

USB-ITPAK V2.1 (IT-016U/USB-ITN/U-WAVE/DP-1VA LOGGER connectable)

• USB-ITPAK V2.1 creates a procedure to input data from gages equipped with Digimatic output to Excel sheets via USB-ITN or U-WAVE. This optional software facilitates the daily inspection work for mass-produced products.

#### The combined use with USB-ITPAK V2.1 will improve the operational efficiency of repetition inspection work. Best suited for keeping track of inspection data of mass-produced products.

- Automatically calls Excel sheet.
- Cursor moves can be specified.
- Input range can be specified per Digimatic gage, which reduces improper input.
- The last data input can be canceled by a single operation (foot switch, function key etc.)
- Data input or cancellation can be performed at once in multiple-point simultaneous measurement.

## Main features of USB-ITPAK V2.1

- Setting of Microsoft Excel input:
- Designation of where to input (workbook, worksheet, cell range), cursor move (right, down), and others.
- Selection of measuring method (3 modes available)
- 1) Sequential measurement 2) Simultaneous measurement 3) Individual measurement (refer to page A-24 for details).
- Control item and instruction at data input

Control item	Mouse operation	Function key	Foot switch + USB-FSW	Data switch when using <b>U-WAVE</b>	Data switch other than <b>U-WAVE</b>
Data output request	<b>√</b> *1	<b>√</b> *1	1	✓*2	1
Data cancel	<b>√</b> *1	<b>√</b> *1	1	Press and hold* <sup>2</sup>	
Data skip	<b>√</b> *1	<b>√</b> *1	1		
Character input (example: OK or NG etc.)			<ul> <li>Pre-registered character strings</li> </ul>		

\*1 Not available during individual measurement.

\*2 Not available during simultaneous measurement in the event driven mode.

#### • Number of connectable gages

Available devices	Maximum number of connection (total of (1), (2), and (3))	Others	
1) IT-016U/USB-ITN 2) USB-FSW	For Windows 2000/XP Up to 100 units* <sup>3</sup>	Maximum registration (total of (1), (2), and (3))     400 units	
3) U-WAVE-R Up to 100 gages connectable to each U-WAVE-R. U-WAVE-T ID: 00 to 99	For Windows Vista/7/8/8.1/10 Up to 20 units* <sup>3</sup> (For <b>U-WAVE-R</b> , plus 100 per unit in terms of available gages.	Control/identification of connecting gage VCP (Virtual COM port) Switch from HID to VCP for (1) and (2). The VCP driver software is supplied with <b>USB-ITPAK</b> .	

- Data loading time: when using IT-016U/USB-ITN, 0.2 s to 0.3 s per gage unit
  - U-WAVE event driven mode: 0.5 s data refresh interval
- Timer input function (only in simultaneous measurement)
- Input interval (time): 0.1 s\*4 to 24 hours at maximum
- Measurement date / time display function (available in sequential and simultaneous measurements)
- The display format is subject to the setting of the Excel sheet.
- \*3 The actual number can be less depending on the system configuration.
- \*4 If a shorter time is set, a priority is given to the longer time compared with the actual communication time.

## **Optional Accessories for USB-ITPAK**

## **USB Foot Switch Adapter USB-FSW**

This USB adapter for connecting a PC is required when using the Foot Switch (937179T) in USB-ITN. A dedicated VCP driver for this adapter is included in USB-ITPAK.

### Main specification

- With **USB-ITPAK**, application of the foot switch can be set.
- Data control: "Data request", "Data cancel", "Data skip"
  Character string input (e.g. GO/NG, etc.)
- Note: USB-FSW is used for installation of the VCP driver.



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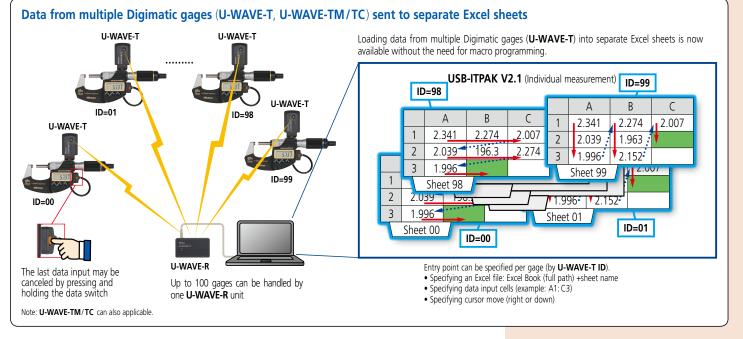
# **Measurement Data Management**

Convenient data collection tool and quality control software

# **Measurement Data Management**

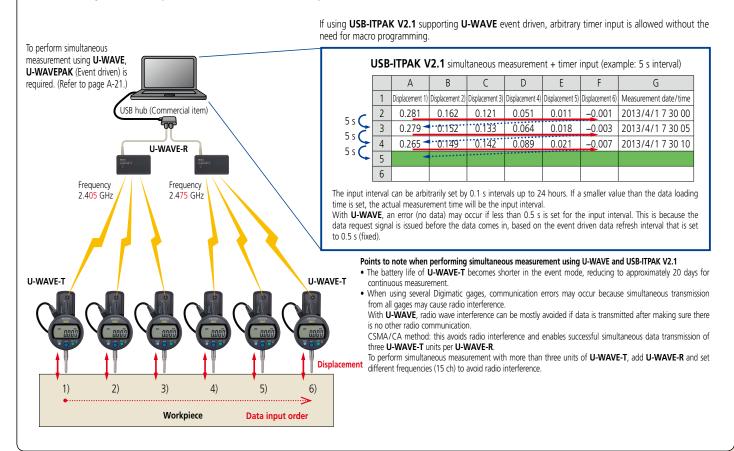
USB-ITPAK V2.1 (IT-016U/USB-ITN/U-WAVE/DP-1VA LOGGER connectable)

More applications can be handled due to new features (Wireless (U-WAVE) support, Timer input, Measurement date/time display) Example of measurement using the U-WAVE wireless communication system — data sorting of individual measurements



Example of measurement using the U-WAVE wireless communication system — timer input + measurement date/time display during simultaneous measurement

### Automatically obtains displacement data in a certain input interval



# Mitutoyo

## A-23