Measurement Data Input Unit USB Input Tool Direct: USB-ITN



USB Input Tool Direct now features a model dedicated to each instrument type and a software option for increased spreadsheet efficiency



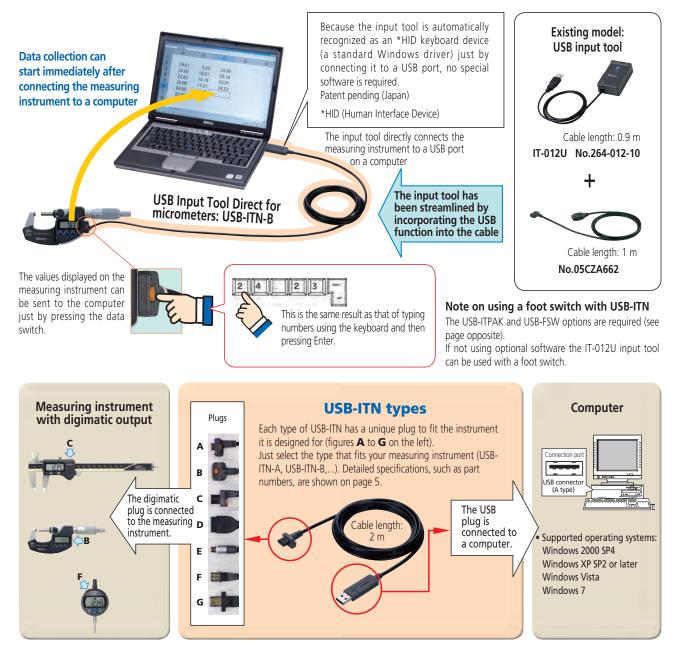
Bulletin No. 2015

USB Input Tool Direct: USB-ITN

Our USB Input Tool Direct has been streamlined into a range of dedicated models for each type of measuring instrument.

Features 1: Using USB-ITN Alone

In the same way as the existing model, IT-012U, measurement data can be input to Excel, Notepad, and other programs just by connecting the input tool to a computer.



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Features 2: Using USB-ITN in Combination with the Optional Spreadsheet Software

Although measurement data can be simply loaded directly into an Excel spreadsheet by connecting the instrument and input tool to a computer, using the optional USB-ITPAK software enables timesaving operations and procedures that significantly improve reliability and efficiency.

Measurement data collection software: USB-ITPAK® Order No. 06ADV386

This setup and data collection software is used to input data from one or more measuring instruments (connected by way of **USB-ITN**) to any Excel sheet. (This software package cannot be used with **IT-012U**.)

Major features

- Excel input settings: The input destination (a workbook, sheet, or cell), cell-fill direction (right or down), cell-fill interval, and other settings can be specified.
- Details about the usage environment are provided on page 5.
 - Interval, and other settings can be specified.
 Measurement method selection: Any of the following three methods can be selected: Sequential measurement, batch measurement, or individual measurement. (For details, see the measurement examples.)
 Data input control: Data can be requested, canceled, or skipped by using mouse buttons, function keys, or foot switch.
 - Character string input by the USB foot switch adapter, USB-FSW: Any previously specified character string can be input using the foot switch. Examples: *pass* or *fail*



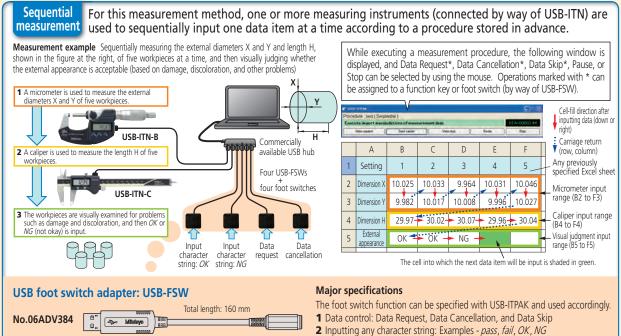
USB-ITPAK

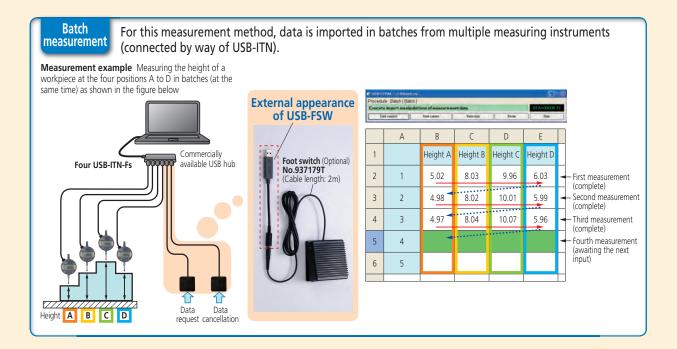
- Number of units that can be connected (total number for both USB-ITN and USB-FSW): Up to 20 units can be connected for Windows Vista or Windows 7, and up to 100 units can be connected for Windows 2000 or Windows XP.
 However, the above numbers might be less depending on the system configuration.
 - Data importation time: About 0.2 to 0.3 seconds per unit. However, this value differs depending on the connected measuring instruments and measurement environment.
 - Driver software: The VCP (virtual COM port) drivers for USB-ITN and USB-FSW are individually recognized using a built-in COM number.
 Patent pending (Japan)

These types of measurement are made possible by using the USB-ITPAK optional software

Various measurement patterns are supported by the three measurement modes of USB-ITPAK. Data input and cancellation can also be performed with a single button press using the foot switch.

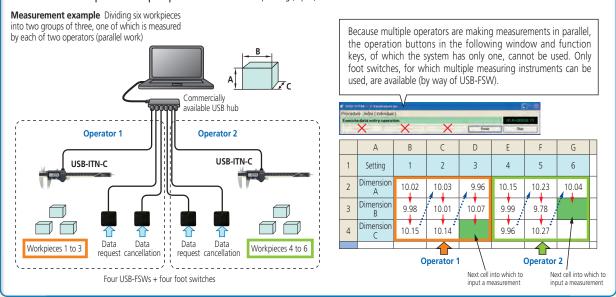
USB-ITPAK measurement examples





Individual measurement

For this measurement method, multiple operators make random measurements, and then data is input from the corresponding measuring instruments (by way of USB-ITN) according to individually specified input procedures. • Patent pending (Japan)



Notes on using USB-ITPAK

• Do not merge the cells within the range of cells specified as input destinations for measurement data.

- During measurement, do not perform operations on the Excel sheet you are using other than data input work stored in the measurement procedure.
- To write data, the measurement Pause or Stop button must be clicked.

Major specifications of USB Input Tool Direct

Note: It is recommended to use a commercially available USB hub that has USB certification.

• Output specifications: • Mass: 59 g

USB 2.0 or 1.1

• USB 2.

• Communication speed: obtain

12 Mbps (full speed) • Compl

• Powe

Power supply:	EMC D
USB bus power	

59 g	• Illustration (Example: USB-ITN-A)		
.0 certification	2m		
ned lies with the EU Directive	USB connector (A plug)		

USB-ITPAK usage environment

Supported operating systems*	Windows 2000 SP4, Windows XP SP2 or later, Windows Vista, and Windows 7
Supported Excel versions	Excel 2000, 2002, 2003, and 2007
Hard disk	At least 20 MB of free space (required for installation)
CD-ROM drive	Required for installation
USB ports	At least two ports (for the USB dongle and USB-ITN)
Resolution	At least 800 x 600 pixels, and at least 256 displayable colors

64-bit operating systems are not supported.
The natural language selected in USB-ITPAK must be the same as that

used in the operating system.

Codes for the main measuring instruments classified according to the USB Input Tool Direct code, part number, and plug type

Determine the plug type suitable for your measuring instrument (one of the seven types from A to G) in the following table, and then select the corresponding USB Input Tool Direct.

Model	USB-ITN-A	USB-ITN-B	USB-ITN-C	USB-ITN-D	USB-ITN-E	USB-ITN-F	USB-ITN-G
Order No.	06ADV380A	06ADV380B	06ADV380C	06ADV380D	06ADV380E	06ADV380F	06ADV380G
Whether the existence of a data switch affects usability		ritch, so the tool is usab easuring instrument has		Does not incorporate a data switch, so an instrument fitted with a switch is required in order to use the instrument alone. (However, the tool can be used with USB-ITPAK.)			
Cable type	A Water-proof with switch	B Water-proof with switch	C With switch	D 10-pin plain	E 6-pin round	F Straight type	G Water-proof straight type
Illustration of the plug that connects to the measuring instrument	Data Switch	Data switch					
Socket type on the measuring instrument	• •		C C C C C C C C C C C C C C C C C C C	- REA-		INTERT	0 0
Codes of major compatible measuring instruments	/Super Caliper]QuantuMike]-500 series-293seriesCD67-5_PMMDC-MJ/MJB/MJTCD-PMX/PM/GMMDE-MJ-550/551 series[Tubular InsideCDC-P_PMXMicrometer]CDN-P_PMX-337 series[Digimatic CarbonIMZ-MJFiber Caliper]-339 series-552 seriesIMJ-MJCFC-G/GL/GC/GU[Digimatic Micrometer][Digimatic Depth Gage]-571 series-571 series-350 seriesVDS-PMXMHN-MB/MJB/MJNB[Digimatic Scale Unit][Digimatic Exclusive Micrometer]SD-G(The end of the mark is- [Digimatic[DigimaticMJ/MJB/MJB	QuantuMike] -293series MDC-MJ/MJB/MJT MDE-MJ [Tubular Inside Micrometer] -337 series IMZ-MJ -339 series IMJ-MJ [Digimatic Micrometer Head] -350 series MHN-MB/MJB/MJNB [Digimatic Exclusive Micrometer] (The end of the mark is- MJ/MJB/M/MB/PM/PMB) [Digimatic Holtest] -468 series	Micrometer Head] -164 series MHD-MB [Digimatic Caliper] -500 series CD-CX/C/S_C -550/551 CDC-C/CX, CDN-C/CX [Digimatic Depth Gage] -571 series VDS-DCX/DC [Digimatic Scale Unit] -572 series SD-D/SDV-D [Digimatic Exclusive Caliper] -573 series B) The end of the	[Surface Roughness Tester] -178 series SJ-201/210/301/ 400/500 [Coating Thickness Gage] -179 series DGE-745/755 [Linear Height] -518 series QMH-S [Reference Gage] -515 series HMD-C [Digimatic Indicator] -543 series ID-H [Laser Scan Micrometer] -544 series LSM-9506/6100/ 6200/6900 [µ-checker] Digital µ-checker (Using the foot switch)	ring instrument models [Digimatic Micrometer] -121 series BD -164 series MHD-M -227 series CLM -293 series MDQ-M [Tubular Inside Micrometer] -337 series IMZ-M [Tubular Inside Micrometer] -339 series IMJ-M [Digimatic Holtest] -468 series HTD [Reference Gage] -515 series HME-DM [Borematic] -568 series SBM-C [Hardness Testing Machines] -810 series HM-100/200 HV-100/HH-411 HR-500	[Digimatic Height Gage] -192/570/574 series HDM-A/AX, HD-A/AX HDS-H_C/C HDF-N [Digimatic Caliper] -500/550/551 series CD/CDC/CDN [Digimatic Bore Gage] -511 series CG-D [Digimatic Indicator] -543 seires ID-C_X/_RB/_GB [Digimatic Indicator] -543 series ID-C_X/_RB/_GB [Digimatic Thickness Gage] -547 series Digimatic Caton Fiber Caliper] -552 series CFC-P/-L/-C/-U [Digimatic Scale Unit] -572 series SD-E, SDV-E SD-F, SDV-F [Portable Hardness Testing Instruments] -811 series HH-300	[Digimatic Indicator] -543 series ID-N ID-B
			Measur [Digimatic Indicator] -543 series ID-F [Linear Gage/Counter] -542 series EF-PRH/ZR, EH-P/Z/S/D EB-P/Z/D EC-D [Litematic] -318 series VL-A/AS/AH	ing instrument models No corresponding models	that do not have a dat [Digimatic Indicator] -543 series ID-C/S/C_A [Digimatic Depth Gage/ Digimatic Thickness Gage] -547 series Digimatic model (ID-C) -575 series ID-U	No corresponding models	



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