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



Bulletin No. 2015

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

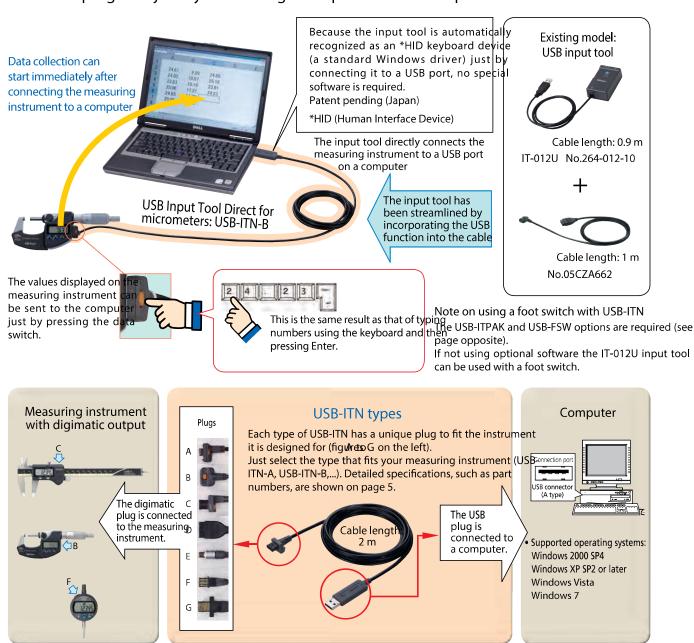


# USB Input Tool Direct: USB-ITN

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



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.





#### 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-ITPAKorder No. 06ADV386

This setup and data collection software is used to input data from one or more measuring instruments (២ភាព by way of ITN) to any Excel sheet. (This software package cannot belusetized) th

#### **USB-ITPAK**



USB dongle

are provided on

Software use

Major features

 Excel input settings: The input destination (a workbook, sheet, or cell), cell-fill direction (right or down), cell-fill Details about the interval, and other settings can be specified. usage environment 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 fail
- 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.

requires USB dongle. 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.

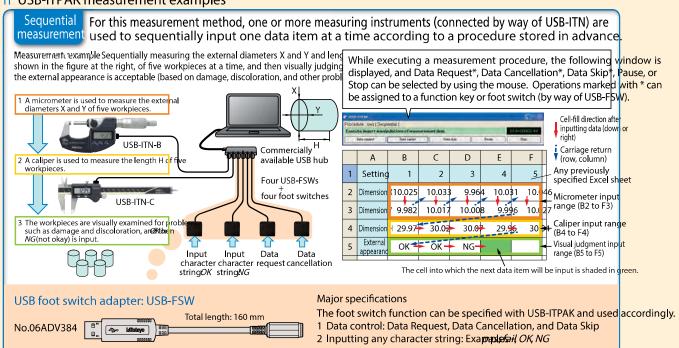
Driver software: The VCP (virtual COM port) drivers for USB-ITN\\mateUfs\\@india\fraction \text{Sdually recognized using a built-in COM numberPatent pending (Japan)

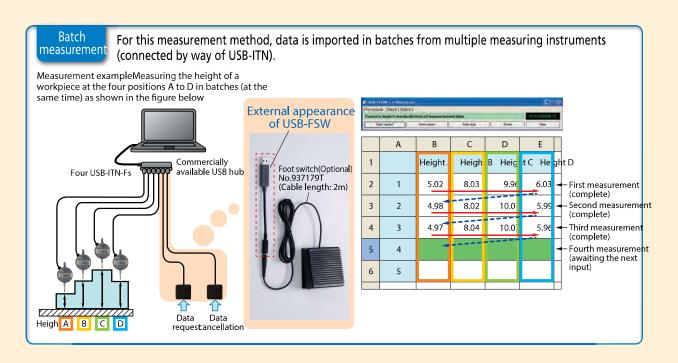


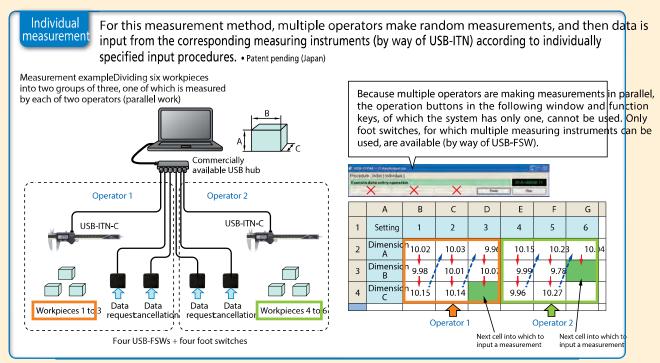
These types of measurement are made possible by using the USB-ITPAK optional software

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.

### n USB-ITPAK measurement examples







#### 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.

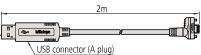
# n Major specifications of USB Input Tool Direct

• Output specifications: Mass: 59 g • Illustration (ExampleB-ITN-A) USB 2.0 or 1.1 USB 2.0 certification

Communication speedbtained

12 Mbps (full speed) • Complies with the EU

Power supply: **EMC Directive** USB bus power



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

# n USB-ITPAK usage environment

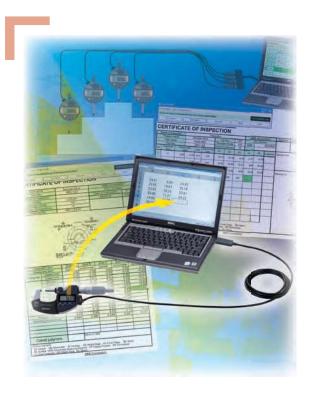
Supported operations	iMgndows 2000 SP4, Windows XP SP2 or later, Windows Vista, and Windows 7
Supported Excel vers	iБясеl 2000, 2002, 2003, and 2007
Hard disk	At least 20 MB of free space (required for insta <mark>llation)</mark>
CD-ROM drive	Required for installation
USB ports	At least two ports (for the USB dongle and U <mark>SB-ITN)</mark>
Resolution .	At least 800 x 600 pixels, and at least 256 displ <mark>ayable colors</mark>

- 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.

## n 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 savem@yipestfeofioillowing table, and then select the corresponding USB Input Tool Direct.

	. 3 /.			,,	3		sponding 03b input 100i	
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		
Whether the existe of a data switch affects usability			_	<b>Do</b> és not incorpora use the instrument	te a data switch, so a alone. (However, the	an instrument fitted e tool can be used w		l in order
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 th plug that conne to the measurin instrument	cts Cts	Data switch	Data switch					
Socket type of the measuring Instrument			*	Ta. 31		ATTO	0 0	
Codes of maj compatible measuring instruments	/Super Caliper] -500 series CD67-S_PM CD-PMX/PM/GM -550/551 series CDC-P_PMX CDN-P_PMX [Digimatic Carbon Fiber Caliper] -552 series CFC-G/GL/GC/GU [Digimatic Depth Gag -571 series VDS-PMX	QuantuMike] -293series MDC-MJ/MJB/MJT MDE-MJ [Tubular Inside Micrometer] -337 series IMZ-MJ -339 series IMJ-MJ [Digimatic Microme	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 Ga -571 series	[Surface Roughness Tes-178 series SJ-201/210/301/1400/500 [Coating Thickness G-179 series DGE-745/755 [Linear Height] 9\$18 series QMH-5 [Reference Gage] nit 5 series HMD-C [Digimatic Indicat-543 series ID-H [Laser Scan Microme-544 series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6900 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6200 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200/6200 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series LSM-9506/6100/6200 [µ-checker] Digital µ-checker (Using the foot switch supplements of the series Digital PSM-9506/6100 [µ-checker] Digital PSM-9506/6100 [µ-che	-121 series BD -164 series MHD-M a9227 series CLM -293 series MDQ-M MDC-M [Tubular Inside Micromania of the series IMZ-M [Tubular Inside Micromania of the series IMJ-M [Tubular Inside Micromania of the series IMJ-M [Digimatic Holtest	deligimatic Height Gai-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 Gai-511 series EG-D [Digimatic Indicati-543 series D-C_X/_RB/_GB [Digimatic Thickness Gai-547 series Digimatic Thickness Gai-547 series Digimatic Carbon Fiber Cal-552 series CFC-P/-L/-C/-U [Digimatic Scale Ui-572 series SD-E, SDV-E in-ED-F, SDV-F in-ED-F,	pepigimatic Indicator] -543 series ID-N ID-B  ge per]  mit]	
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Sensor Systems

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