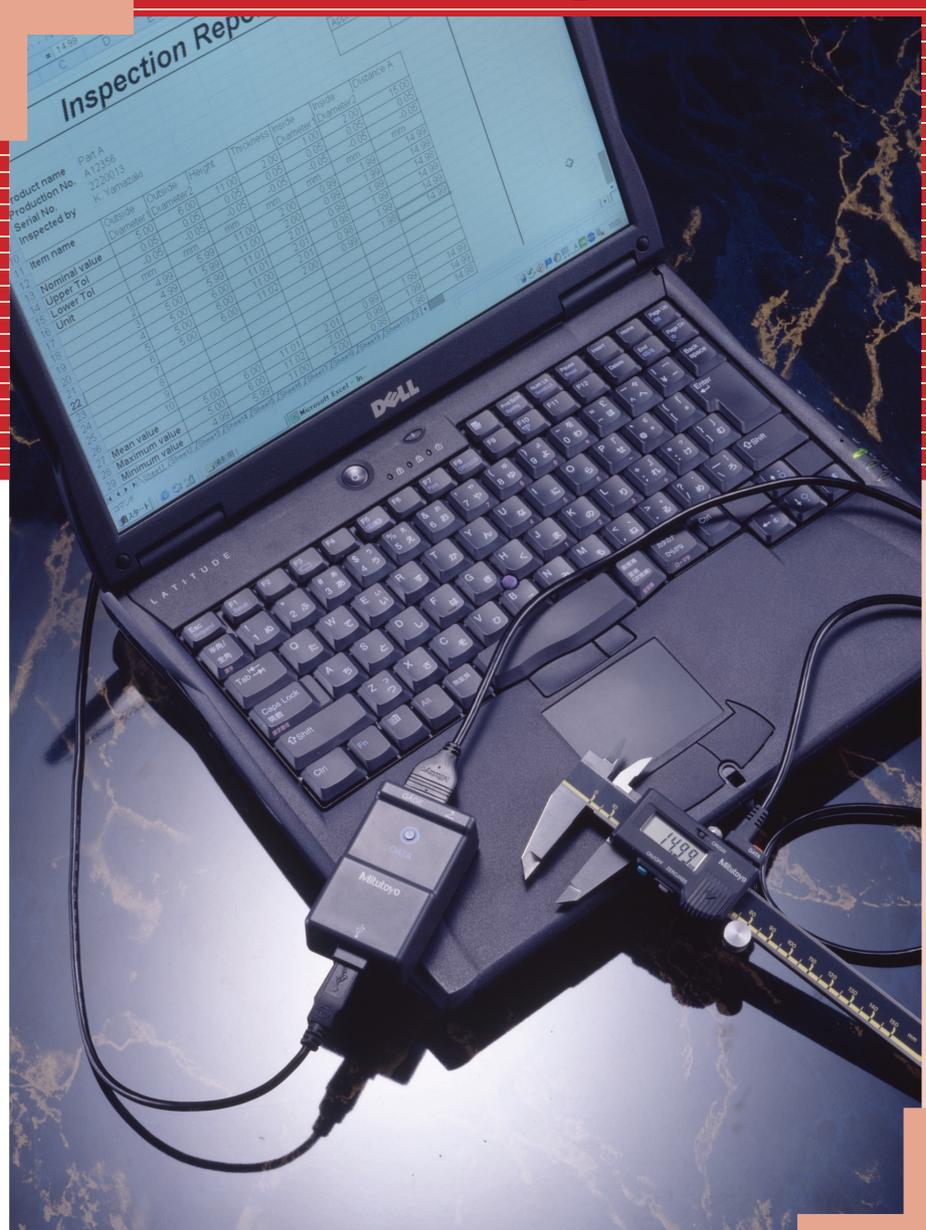


Input Tool

Measurement Data Input Unit



CATALOG No. E4250-264

Easy to import your measurement data to a spread sheet software.

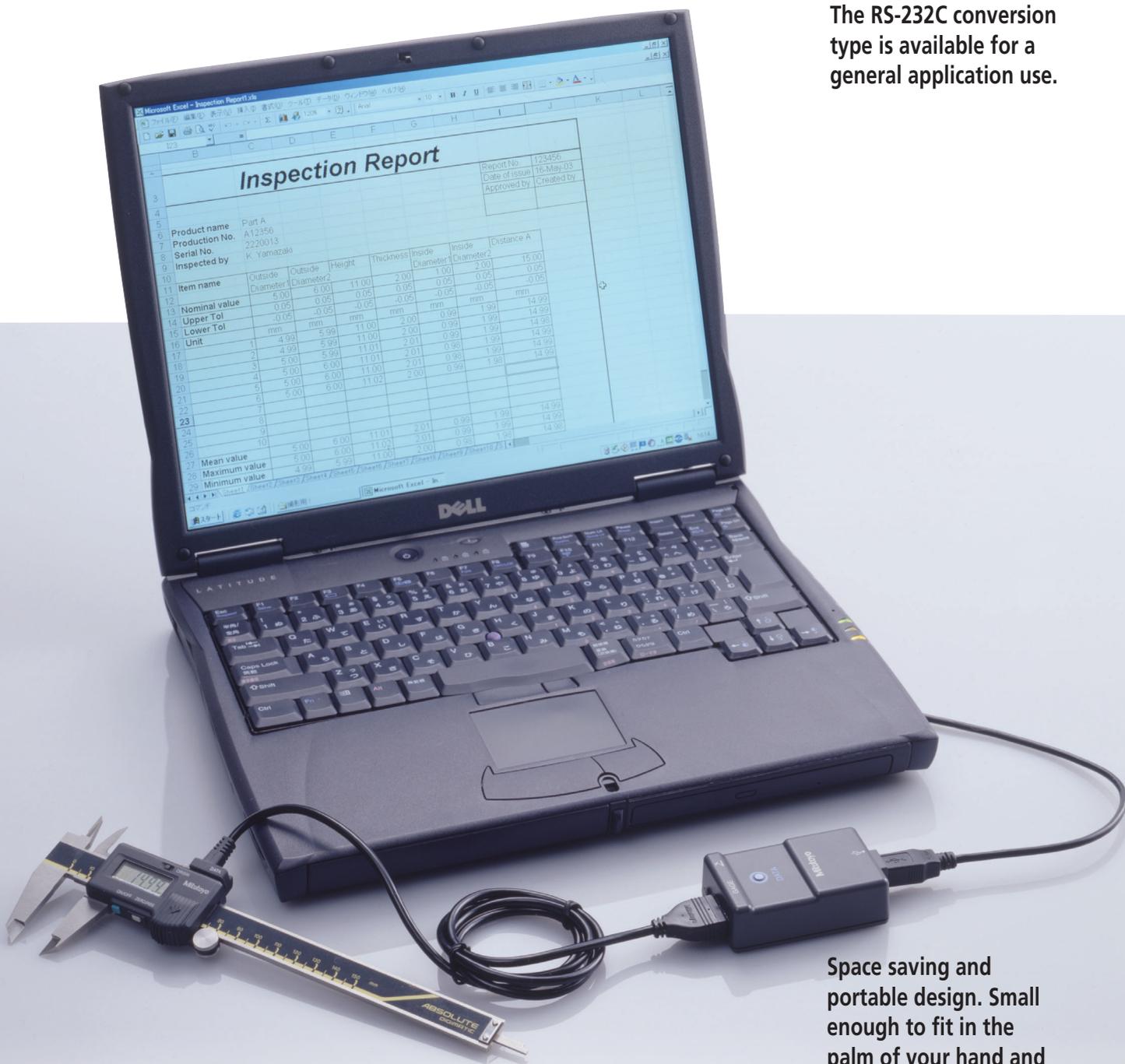
Mitutoyo

Input Tool

Digimatic gage - PC Data Transmission Device

By simply connecting the Input Tool to the connector of your PC and measuring gage the measurement data can be directly transmitted to the PC.

The USB and PS/2 signal conversion types allow you direct input of the measurement data into a spreadsheet, such as "MS-Excel" and "Lotus 1-2-3" running on the PC. The RS-232C conversion type is available for a general application use.



Space saving and portable design. Small enough to fit in the palm of your hand and no battery needed.

Digimatic - USB signal conversion type

Digimatic - PS/2 keyboard signal conversion type

Digimatic - RS-232C conversion type

The Input Tool can replace a conventional interface.



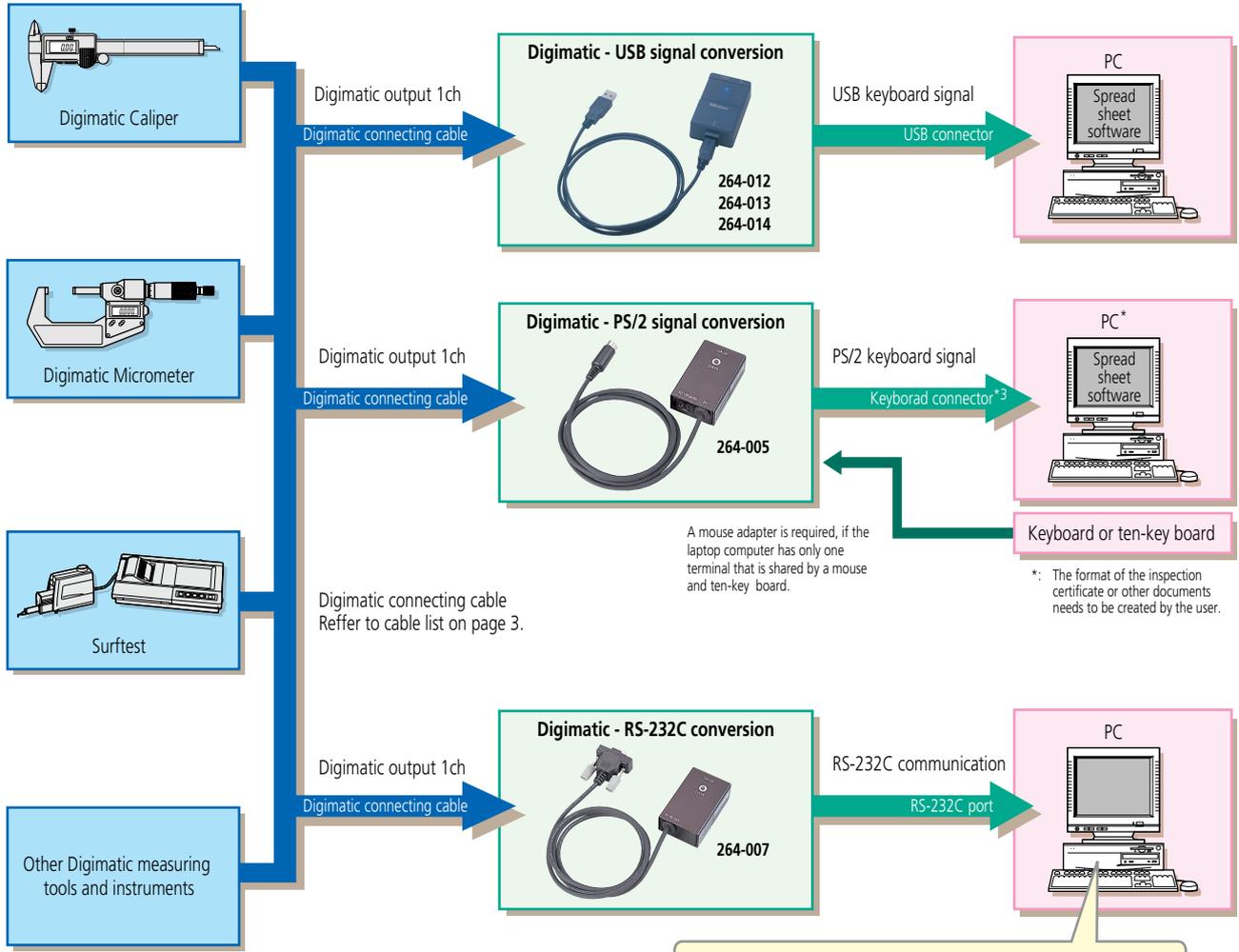
Multiplexer MUX-10F
(input 4ch)



Digimatic Mini Processor
DP-1VR (input 1ch + Printer)
*RS-232C cable (Optional)

Less expensive type is desired.

More compact and portable type is desired.



Mitutoyo's measuring tools (unbundle)

 Input tool

In order to input data to a personal computer, application software that supports RS-232C communication is required.

Mitutoyo's optional software...

- Excel inspection table generation software **MeasureReport**
- Statistical process control software **MeasurLink SPC-Light**

*Please refer to the optional software below about detail.

Off-the-shelf software

- Hyper terminal (accessory for Windows)
- Excel, Lotus 1-2-3 + communications software
- Package software for quality control with communication facility.

Digimatic - USB signal conversion

Digimatic - PS/2 keyboard signal conversion

Digimatic - RS-232C conversion

The operating system of the PC (Windows®98 or later) automatically recognizes the Input Tool, when it is connected to the PC's USB connector; therefore, tedious configuration of new hardware, such as driver settings, is no longer necessary.



Digimatic - USB signal conversion type

Data is entered in specified cell by simply pressing the data switch. An Enter code is added to the value displayed by the measuring gage when the value is output to the PC. Therefore in Excel, the cursor automatically moves onto the next cell after data has been entered, if such a setting is selected in the program.

Order No.

- 264-012:** Digimatic - USB signal conversion type*
*Applicable to US keyboard, please contact Mitutoyo when using with other type of keyboard.
- 264-005:** Digimatic - PS/2 signal conversion type
- 264-007:** Digimatic - RS-232C conversion type

Optional Program

MeasureReport (02ARA141)

Data input via the Input Tool is output to an inspection certificate in MS-Excel.

Input data is used for tolerance zone measurement. NG is displayed in red.
*MS-Excel is a registered trademark of the Microsoft Corporation of the U.S.A.

Data output to an inspection certificate created in Excel.

| Work Label | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | NG | Comment |
|------------|--------|---------|---------|---------|---------|----|---------|
| Work-1 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | NG | Over-L1 |
| Work-2 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | NG | Over-L1 |
| Work-3 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | OK | Over-L1 |
| Work-4 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | OK | Over-L1 |
| Work-5 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | OK | Over-L1 |
| Work-6 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | OK | Over-L1 |
| Work-7 | 1.0000 | +2.0000 | +3.0000 | +4.0000 | +5.0000 | NG | Over-L1 |
| Assmed | 1.4500 | 2.4500 | 3.4500 | 4.4500 | 5.4500 | | |
| Range | 0.7000 | 0.7000 | 0.7000 | 0.7000 | 0.7000 | | |
| Maxmax | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | | |
| Maxmin | 1.0000 | 2.0000 | 3.0000 | 4.0000 | 5.0000 | | |

MeasurLINK SPC-Light (02AR150)

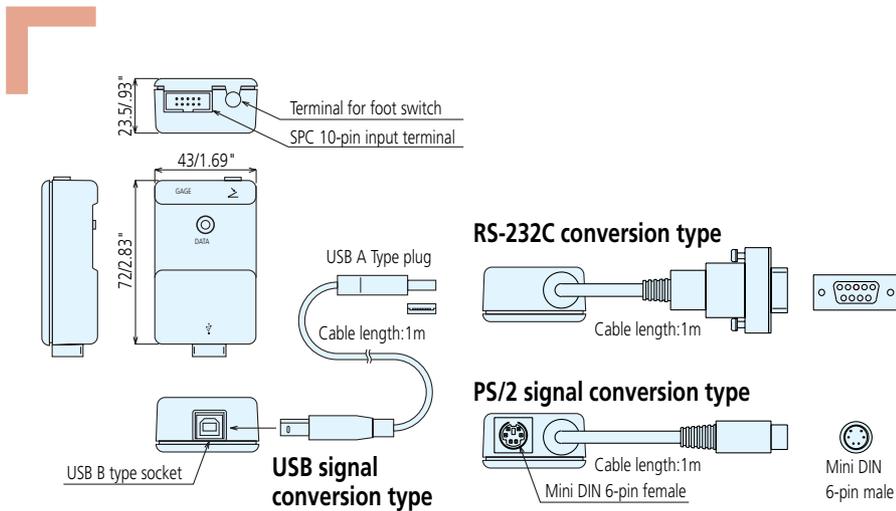
GO/NG judgment, process capability value, control chart, etc. are processed and displayed in real time on the measurement instruction screen using a bit map.

Measured values and process capability indices (Cp) are displayed for various dimensions:

- ピッチ2: 10.190, Cp=2.593
- ピッチ1: 10.190, Cp=1.617
- 9.780: Cp=1.842
- 外径 10.340: Cp=2.731
- 厚み 10.190: Cp=1.864
- 高さ 10.180: Cp=3.133
- 段差 10.190: Cp=2.212
- 内径 10.040: Cp=2.494

SPC Connecting Cables

| | Order No. | | Applicable Digimatic gage Series No./Product name | Series No./Product name |
|--|--------------------|--------------------|---|--|
| | 1m (40") | 2m (80") | | |
| Straight  | 905338 | 905409 | 500/Digimatic caliper 543/ABS Digimatic indicator IDC 550/Digimatic caliper | 543/Digimatic indicator IDS 547/Digimatic thickness gage 551/Digimatic caliper |
| Back  | 905689 | 905690 | 552/Digimatic carbon caliper 571/Digimatic depth gage 575/Digimatic indicator IDU | 570/Digimatic height gage HDS 572/Digimatic scale unit 192/Digimatic height gage HDM |
| Right  | 905691 | 905692 | | |
| Left  | 905693 | 905694 | | |
| With data out switch  | 959149 05CZA624 | 959150 05CZA625 | 500/ABS Digimatic caliper 573/ABS Digimatic caliper 500/ABS Coolant Proof caliper | 572/ABS Digimatic scale unit |
| 6 pins  | 937387 | 965013 | 121/Digimatic bench micrometer 293/Quick micrometer 314/Digimatic V-anvil micrometer 323/Digimatic disk micrometer 326/Digimatic screw thread micrometer 340/Digimatic micrometer 342/Digimatic crimp height micrometer 369/Digimatic disk micrometer 395/Digimatic tube micrometer 422/Digimatic blade micrometer 337/Digimatic inside micrometer 345/Digimatic inside micrometer 468/Digimatic holtest 568/Borematic | 164/Digimatic micrometer head 293/Digimatic micrometer 317/Digimatic uni-micrometer 324/Digimatic gear tooth micrometer 331/Digimatic spline micrometer 342/Digimatic point micrometer 343/Digimatic caliper micrometer 389/Digimatic sheet metal micrometer 406/Digimatic micrometer 329/Digimatic depth micrometer 339/Digimatic inside micrometer 350/Digimatic micrometer head 515/Digimatic height master |
| 10 pins  | 937386 | 965012 | 810/Hardmatic HH-120/140 810/Hardness testing machine ATK-F 810/Hardness testing machine ATK | 810/Hardness testing machine ARK-F 810/Hardness testing machine ARK 810/Hardness testing machine ASK |
| Cable has the same connector plug at both ends.  | 936937 | 965014 | 174/KC counter 302/Profile projector 318/Litematic 518/Linear height 542/Linear gage counter 544/Laser scan micrometer 178/Surface roughness tester 810/Hardness testing machine MVK-H | 179/Digi-derm 303/Profile projector 515/Digital height master 519/Digital Mu-checker 543/Digimatic indicator IDF 574/Heightmatic 211/Roundness measuring machine |



Technical Data

| | |
|------------------------|--|
| Input channel: | 1ch (Mitutoyo Digimatic signal) |
| Output channel: | 1ch (USB2.0, PS/2 keyboard signal or RS-232C/baud rate 2400bps) |
| Data input switch: | Provided, 1 million times switch life |
| Foot switch connector: | Provided |
| Power supply: | +5V/+12V* supplied via PC (*RS-232C conversion type) applicable models |
| Mass: | 74g (USB signal conversion type) 70g (PS/2 signal conversion type) 91g (RS-232C conversion type) |

Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this pamphlet, as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make changes to the corresponding designs, dimensions and weights. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definitive.

| | |
|---|-------|
| Coordinate Measuring Machines | ===== |
| Vision Measuring Systems | ===== |
| Surface Roughness, Form and Contour Measurement | ===== |
| Digital Scale and DRO Systems | ===== |
| Optical Measuring Machines | ===== |
| Sensor Systems | ===== |
| Hardness Measuring Machines | ===== |
| Small Tool Instruments and Data Management | ===== |

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