

Data Management

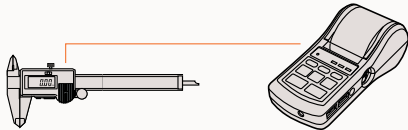
Example of Data Management System Design

A typical example of a system for recording and analysing measurement results from various Mitutoyo measuring instruments for quality assurance purposes.

Implementation Step 1

Recording measurement results

Eliminate handwriting



Measurement data can be printed easily. Data can be output to a PC for statistics calculations.

DP-1VR see page A-19

Direct data input to a PC

Connecting-cable-integrated USB-ITN.



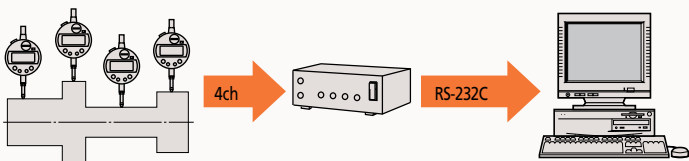
USB Input Tool Series see page A-12

A choice of three models with different output specifications IT-012U/IT-005D/IT-007R.



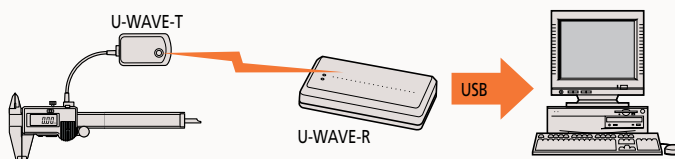
Input Tool Series see page A-15

Connectable to an RS-232C interface PC via a 4-channel multiplexer.



Multiplexers see page A-16

Wireless data input to a PC



U-WAVE see page A-13

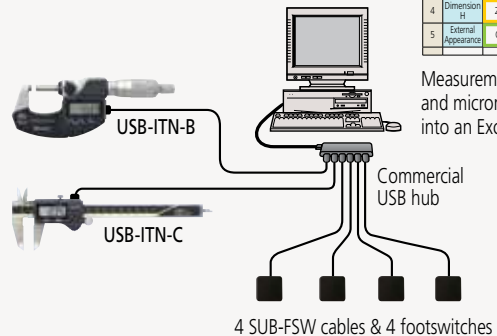
Implementation Step 2

Software dedicated to inspection and quality control

Inspection certificate creation

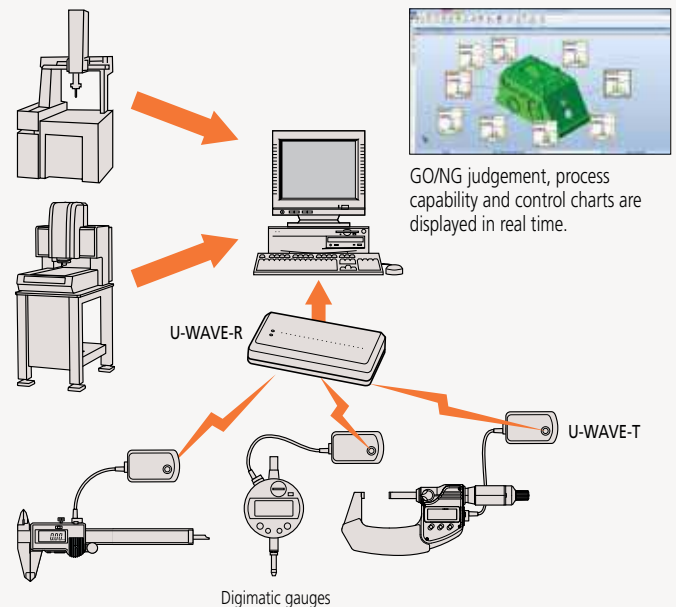
	A	B	C	D	E	F
1	Setting	1	2	3	4	5
2	Dimension X	10.025	10.033	9.964	10.031	10.046
3	Dimension Y	9.982	10.017	10.008	9.996	10.027
4	Dimension H	29.97	30.02	30.07	29.96	30.04
5	External Appearance	OK	OK	NG		

Measurement data from calipers and micrometers are imported into an Excel spreadsheet.



USB-ITPAK see page A-10

Statistical Process Control



MeasurLink see page A-5