

Example of Measurement Data Management System

A system for recording and analyzing measurement results from various Mitutoyo measuring instruments for quality assurance purposes.

Implementation Step 1

Recording measurement results

No more transcribing



DP-1VR A-13

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

Direct data input to a PC

Connecting cable-integrated USB-ITN



USB Input Tool Series A-5

Lineup of three models with different output specifications IT-012U/IT-016U/IT-007R



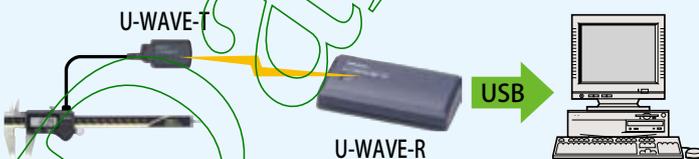
Input Tool Series A-6

Connect to a RS-232C interface PC with 4 channels and a sequencer



Multiplexer MUX-10F A-14

Wireless

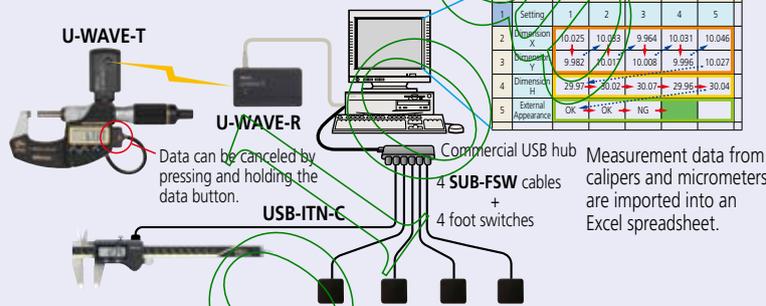


U-WAVE A-7

Implementation Step 2

Software dedicated to inspection and quality control

Inspection certificate creation



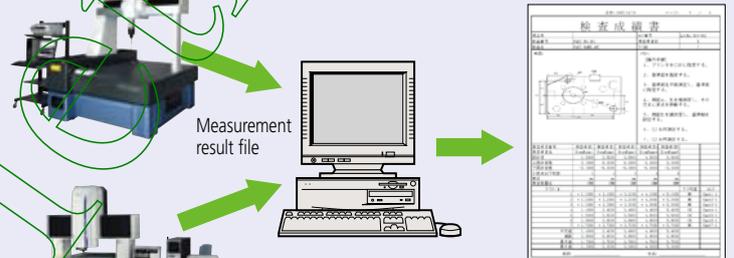
Data can be canceled by pressing and holding the data button.

Commercial USB hub + 4 SUB-FSW cables + 4 foot switches

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

USB-ITPAK A-10

Format can be created in Excel.

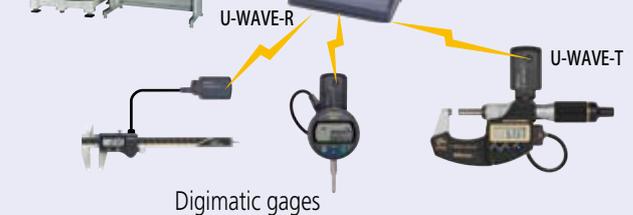


MeasureReport A-22

Statistical Process Control



Go/ no go judgment, process capability and control charts are displayed in real time.



MeasurLink A-15

Implementation Step 3

Creating a quality control network covering a wide area within the factory

Unify management of the quality test using the network in the factory

