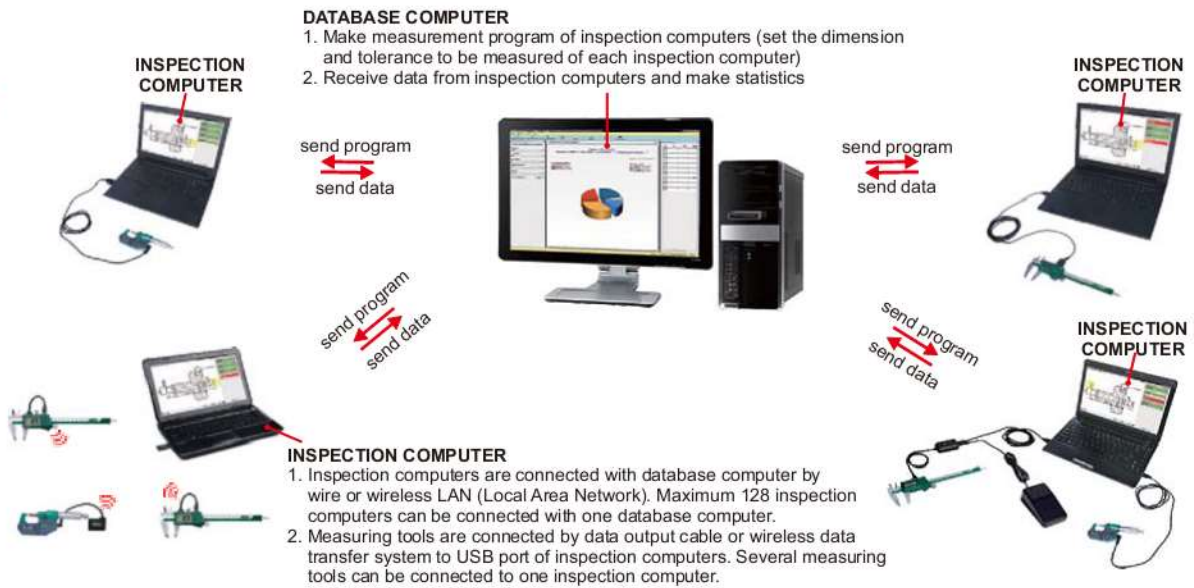


## MEASURING DATA MANAGEMENT SOFTWARE



### SOFTWARE FOR DATABASE COMPUTER CODE 7311-1

**make measurement program**

workpiece information

measuring code

input port

measuring items

description

measuring tools

set tolerance

workpiece drawing

Make measurement program for each one inspection computer. Maximum 200 dimensions can be measured by one inspection computer.

**make data statistics**

process control analysis

CPK analysis

overall equipment effectiveness analysis

**report**

### SOFTWARE FOR INSPECTION COMPUTER CODE 7311-2

**step 1**

Measure the 1st dimension by following the yellow position indication.

**step 2**

Measure the 2nd dimension by following the yellow position indication. The 1st data will be shown in red or green according its tolerance.

**step 3**

Measure the 3rd dimension by following the yellow position indication. The 2nd data will be shown in red or green according its tolerance.

**step 4**

Measure the 4th dimension by following the yellow position indication. The 3rd data will be shown in red or green according its tolerance. The data of four measurements will be sent to the database computer.

Code	Description	Applicable products
7306-2	receiver	USB and RS232 connection ports, strong transmission signal, the maximum distance is 100m
7306-1	mini receiver	USB connection port, for short distance (within 20m) or barrier-free area
7306-20	transmitter	digital calipers, digital depth gages and digital height gages (not for 1103, 1150)
7306-30	transmitter	digital micrometers, digital three point internal micrometers (not for 3631, 3632, 3108, 3109, 3635)
7306-30A	transmitter	digital micrometers, digital three point internal micrometers (not for 3631, 3632, 3108, 3109, 3635)
7306-40	transmitter	digital indicators
		digital protractors

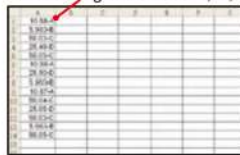
## WIRELESS DATA TRANSFER SYSTEM



### DATA COLLECTION:

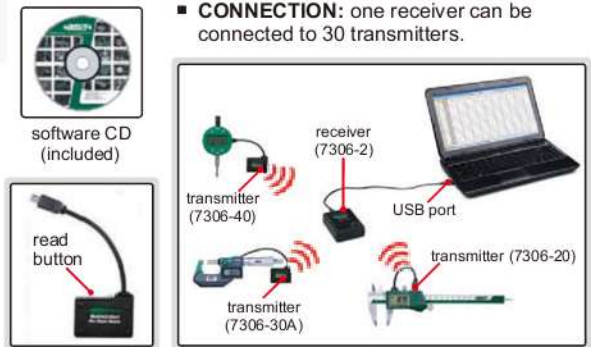
- Single collection: press the read button once to collect the reading from measuring tool once.
- Multi collection: press the read button once to start collecting readings from measuring tools continuously, press the button again to stop collecting. Total collection times and interval time can be adjusted.

### DISPLAY: data can be input to Excel as keyboard signal. measuring tools code A, B, C



All data are displayed in the same column. Each measuring tool can be coded such as A, B, C, etc.

- CONNECTION: one receiver can be connected to 30 transmitters.



## 7302-SPC5A 7302-SPC5B 7302-SPC2A 7302-SPC6 7302-SPC3A 7302-SPC4



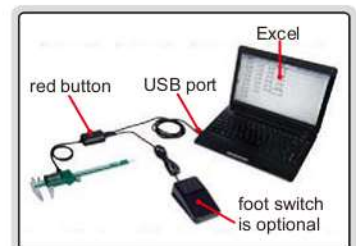
Code	Description	Remark
7302-SPC5A	cable (length 2.5m)	for digital calipers and digital depth gages (not for 1103)
7302-SPC5B	cable (length 2.5m)	for digital calipers and digital depth gages (not for 1103)
7302-SPC2A	cable (length 2.5m)	for digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7302-SPC6	cable (length 2.5m)	for digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7302-SPC3A	cable (length 2.5m)	for digital indicators
		digital protractors
7302-SPC4	cable (length 2.5m)	for digital calipers 1103 series (for 1103 only)
7304-2	foot switch with cable (length 1.5m)	optional

## USB DATA OUTPUT CABLES



7304-2

- Connect to USB port of computer
- Without software, data can be input as keyboard signal to Excel, Word, etc.
- Press the red button or foot switch (optional) to input data

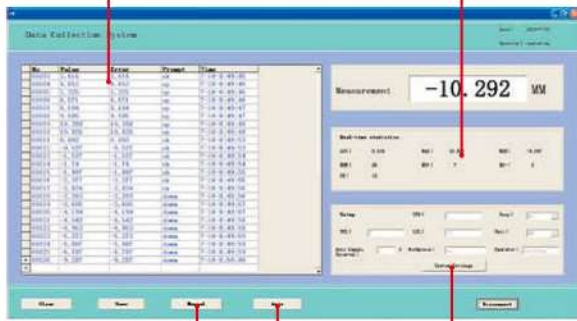


## RS232 DATA OUTPUT CABLES



automatic judgment by setting tolerance

test result display (maximum value, minimum value, total quantity of workpiece, quantity of Go and No-Go, quantity of exceed upper tolerance and exceed lower tolerance)



manual sampling      automatic sampling      set auto sampling interval and tolerance



7305-SPC1A



7305-SPC2A

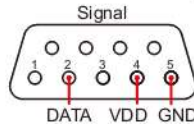


USB power port

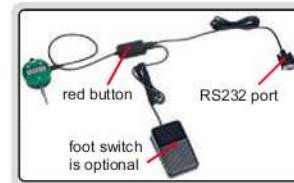
7305-SPC3



foot switch (optional)  
7304-2



- Manual sampling and automatic sampling
- Press manual sampling button in software or red button on cable or foot switch once to collect the reading from measuring tool once
- Can be used in Windows Hyperterminal
- Supplied with software
- Voltage required: 5-10V
- Cable length 2.5m



software CD (included)

Code	Applicable products
7305-SPC1A	digital indicators      digital protractors
7305-SPC2A	digital calipers and digital depth gages (not for 1103)
7305-SPC3	digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7305-SPC3A	digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7304-2	foot switch with cable (length 1.5m), optional

## DIGITAL HORIZONTAL SCALES

DATA OUTPUT

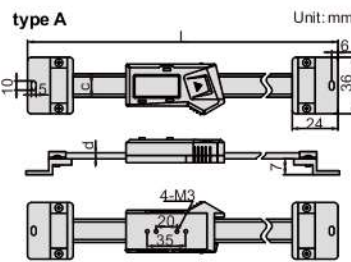
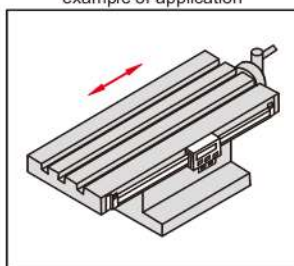
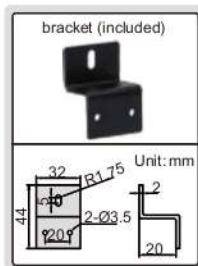


7101-300A

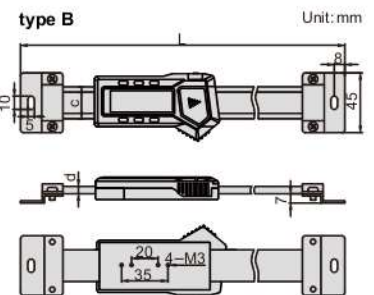


7101-400A

example of application



(mm)



Code	Range	Type	Accuracy	L	c	d
7101-100A	100mm	A	±0.02mm	215	16	4
7101-150A	150mm	A	±0.03mm	265	16	4
7101-200A	200mm	A	±0.03mm	315	16	4
7101-300A	300mm	A	±0.04mm	445	16	4
7101-400A	400mm	B	±0.05mm	590	24	5.5
7101-500A	500mm	B	±0.05mm	690	24	5.5
7101-600A	600mm	B	±0.08mm	790	24	5.5
7101-800A	800mm	B	±0.10mm	990	24	5.5
7101-1000A	1000mm	B	±0.10mm	1190	31	10.5

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code 7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A)

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Absolute and incremental measurement
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code 7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A)