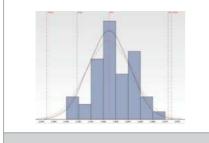
01

DATA OUTPUT AND SOFTWARE





Data Management Softwares Page 2-4



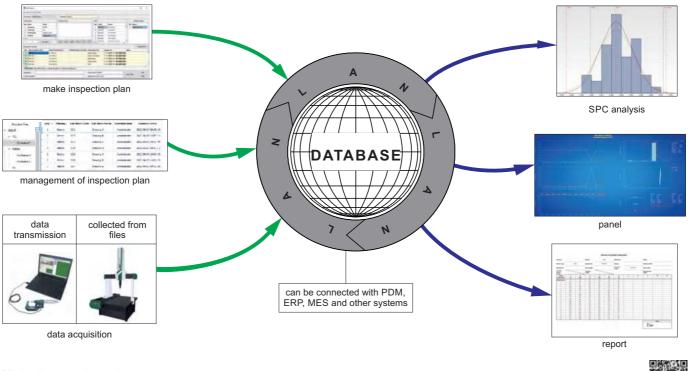
Wireless Data Transmission Systems Page 5-15





Mobile Workbenches Page 27

MEASUREMENT DATA MANAGEMENT AND ANALYSIS SOFTWARE



Make inspection plan

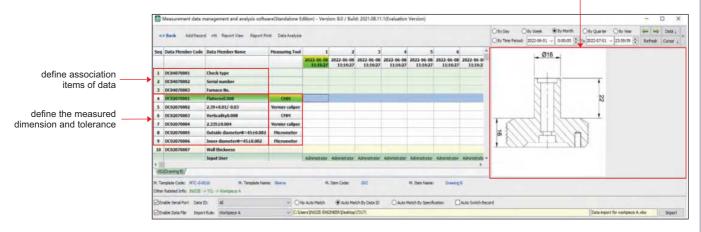
Define the dimensions, tolerances, control range and other parameters of workpieces

VIDEO

define the drawing of workpieces

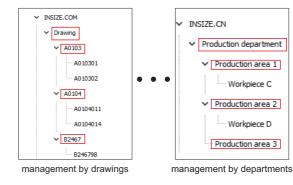
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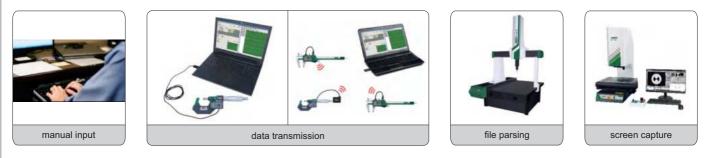
Management of inspection plan

Structure Tree	Seq ^	Manag	List Item Code	List Item Name	Creation User	Creation Time
INSIZE	1	Sleeve	001	Drawing A	Administrator	2022-06-07 09:45:24
√ TCL	2	Sleeve	002	Drawing B	Administrator	2022-06-07 14:50:44
Workpiece A	3	Sleeve	003	Drawing C	Administrator	2022-06-07 14:50:49
MIDEA	4	Sleeve	004	Drawing A	Administrator	2022-06-07 14:50:53
Workpiece A	5	Sleeve	005	Drawing A	Administrator	2022-06-07 14:50:5
Workpiece C	6	Sleeve	006	Drawing B	Administrator	2022-06-07 14:51:29
MI	7	Sleeve	007	Drawing B	Administrator	2022-06-07 14:50:29



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Data acquisition

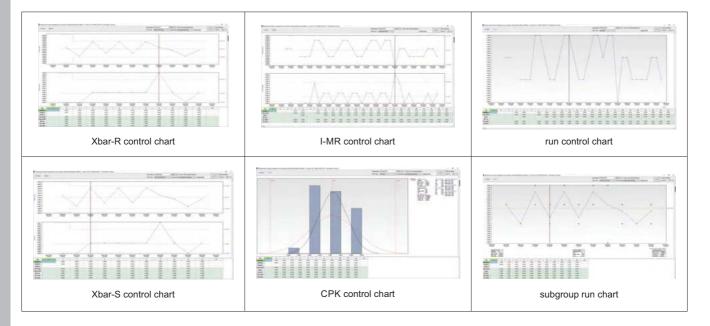


~	Back Add Recon	d +N Report View Report Pri	nt Data Analysis							OBy Day OBy Nees IB Month OBy Quarter OBy Tear Ver V
eq I	Data Hember Code	Data Hember Name	Measuring Tool	1	2	3	4	5	1	Ø16
				2022-06-08 10:58:07	2022-06-08	2022-06-08 10:58:08	2022-06-08 11:03:40	2022-06-08	202. 1	1
1	DC04070001	Check type		Pist impector	Pirst impection	Process Inspection	Process Inspection	Process impection	Processie	lar l
2	DC64878892	Serial number		20220606001	20230608001	20220608001	30220608002	20320508002	2032	22
3 1	DC64070003	Furnace Bo.		F00120	F00120	F00120	F00120	F00129		N R L
4	002070001	Flatness0.008	CIWI	0.0080	6.0090	0,0080	0.0082			21 21 22
5 1	DC82070002	2.39+6.01/-0.03	Vernier caliper	2.391	2.391	2.391	2.410			
6	DC02070003	Verticality0.008	0101	0.0080	0.0000	6.0080	0.0060			
7	DC02070004	2.135±0.004	Vernier caliper	2.3350	2.3350	2,3350	2.3356			
	DC82070085	Outside diameter#=45±0.002	Hicrometer	45.0020	45.0030	45.0020	44,9977			
9	DC02070006	Inner diameter®=45±0.002	Micrometer	45.0010	45.0010	45.0010	45.0010			1 6022 L20 B
10	DC82070007	Wall thickness		0.0010	6.0020	0.0030	-0.0033			
8		Input User		Adventrator	Advantitiator	Adversituator	Adventivator	Advenuentation	Altri V	5 m w
0010	Drawing A1/									
	plate Code: MTC-0-0 lated byfor BYSIJE	and the second se	n Serve	H.1	tem Code:	001	M. Iten Nano	e Stawing A		

measurement interface

SPC

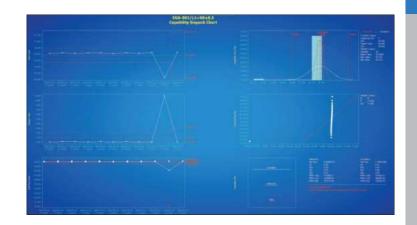
Provide variety of quality analysis control charts





Panel

 Real-time display of SPC charts of multiple dimensions on the panel to monitor production quality



Report



Complete version

Code	Data acqu	uisition	SPC data analysis	Quality report	Real-time nanel	
Code	Manual input + Data transmission	File parsing	Screen capture	SPC uata analysis	Quality report	
7317	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark

Acquisition+Analyze+Report

Code	Data acquisition	SPC data analysis	Quality report		
Code	Manual input + Data transmission	File parsing	or o uata analysis		
7317-A1	\checkmark		\checkmark	\checkmark	
7317-A2		\checkmark	\checkmark	\checkmark	

Acquisition+Analyze

Code	Data acquisition	Data acquisition				
Code	Manual input + Data transmission	File parsing	SPC data analysis			
7317-B1	\checkmark		\checkmark			
7317-B2		\checkmark	\checkmark			

Acquisition+Report

Code	Data acquisit	Data acquisition				
Code	Manual input + Data transmission	File parsing	Quality report			
7317-C1	\checkmark		\checkmark			
7317-C2		\checkmark	\checkmark			

Acquisition

Code	Data acquisition			
Code	Manual input + Data transmission	File parsing	Panel	
7317-D1	\checkmark		Code	Real-time pane
7317-D2		\checkmark	7317-Р	\checkmark

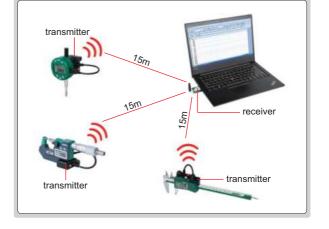
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WIRELESS DATA TRANSMISSION SYSTEM (ZIGBEE)



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- Through wireless transmission, the readings of measuring tools
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
 Transmission distance is 15 meter (under the condition of no
- obstruction and no electromagnetic interference)



Transmitter

- Connecting to digital measuring tools such as
- calipers, micrometers and indicators
- CR2032 battery

Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-25	transmitter for digital calipers	button signal light	button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-22	transmitter for large digital calipers	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-30	transmitter for digital micrometers	button button signal light	signal light "data" button button signal light for 3102 , 3128 , 3565 series digital micrometers	 Press the "data" button of digital micrometer, can also press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on the digital micrometer flashes once

	om previous page			
Code 7315-31	Description transmitter for digital micrometers	Transmitter	Connecting with measuring tool "data" "data" button signal light back	 Transmit data Press the "data" button of digital micrometer Data is transmitted once, the signal light on the digital micrometer flashes once
7315-50M	transmitter for digital indicators	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
	transmitter	signal light	Tor 2108, 2138, 2139 series digital indicators for 2108, 2138, 2139 series digital indicators button button button back	 Press the "DATA" button of digital indicator, can also press the button of the transmitter Transmitter button can be fixed on request Data is transmitted once, the signal light on digital indicator flashes once
7315-51	transmitter for digital indicators	button	button	 Press the button of the transmitter Transmitter button can be fixed on request Data is transmitted once, the signal light on digital indicator flashes once

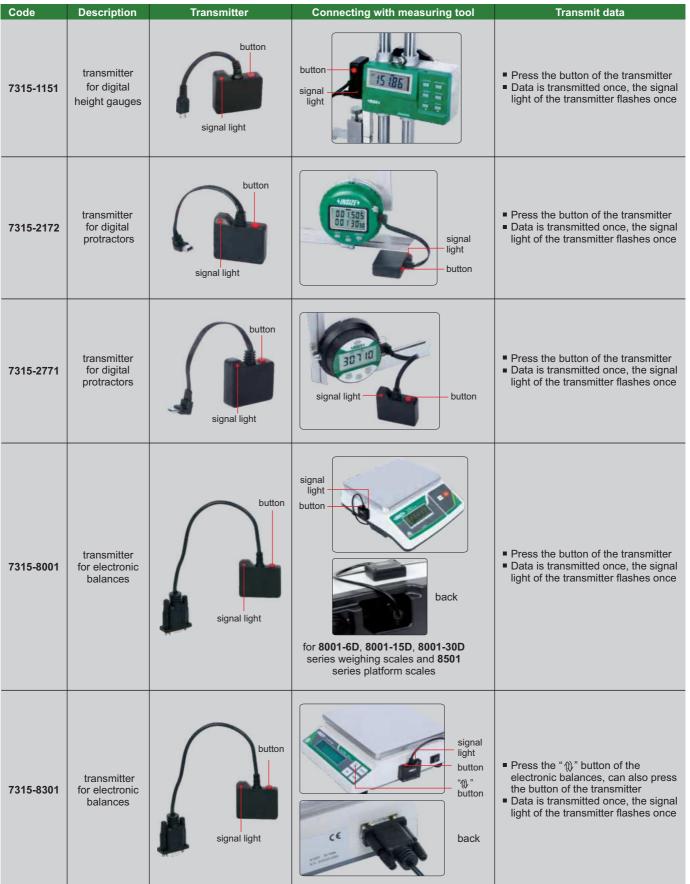
To be continued

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Continued fro	om previous page			
Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-51B	transmitter for bore gauges	signal light	"DATA" button signal light button	 Press the "DATA" button of digital indicator, can also press the button of the transmitter Data is transmitted once, the signal light on digital indicator flashes once
7315-2183	transmitter for digital indicators	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-60	transmitter for high precision digital indicators	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-80	transmitter for digital calipers/ micrometers	button signal light	"SET" button signal light	 Press the "SET" button of the calipers/micrometers, can also press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-3350	transmitter for digital micrometers	button Figure 1 and the second	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7315-1150	transmitter for digital height gauges	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once



To be continued

8

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Receiver (keyboard signal)

- For computers and mobile phones
 Recognized as HID keyboard device, the transmitted data is recognized by computers or mobile phones as keyboard input data and press enter key, such as 12.34∠. No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- For any softwares which can receive keyboard signal

Code	Product	Description	Remark
7315-3	USB port	single channel receiver	connected with 1 transmitter only
7315-6	USB port		
7315-7	type-C port	multichannel	connected with 6 transmitters, each channel
7315-8	micro USB port	multichannel receiver	has status indicator
7315-9	lightning port		

Receiver (text format, virtual com port)

- For computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with Excel directional input software
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

Code	Product	Description	Remark
7315-2	USB port antenna	multichannel receiver	connected with maximum 16 transmitters, each of them has unique identification code



Receiver (485 communication)

- Modbus-RTU protocols , baud rate 9600
 Can be connected to a PC or PLC
- The communication address is configurable

Code	Product	Description	Remark
7315-485	signal light	multichannel receiver	connected with 6 transmitters, each channel has status indicator

Excel directional input software

- Supplied with 7315-2 receiver
- The readings of measuring tools can be transmitted to the designated area of excel, which facilitates data management and improves efficiency

display	ay area of micrometer at C4- v area of height gauge at D4-			
12	A	В	c	D
1	Project	Length	Width	Height
2	Dimension and Tolerance	50±0.05	24±0.01	10+0.05/-0.06
з	Measuring tool	Caliper	Micrometer	Height gage
4	1	50.02	24.004	9.98
5	2	50.01	24.010	10.01
6	3	49.99	23.990	10.02
7	4	50.00	23.996	9.99
8	5	50.04	24.000	10.01
9	6	Channel 1	Channel 2	Channel 3

Excel directional input software (included in 7315-2),

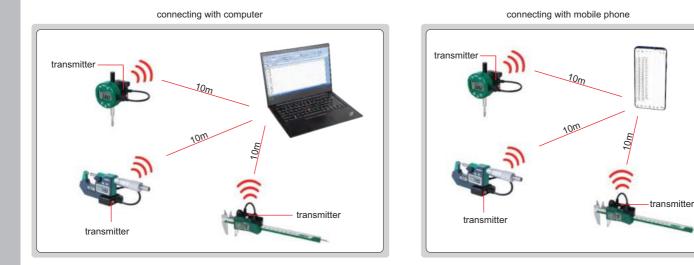
Excel directional input software (included in **7315-2**), application example 2

	ne display area of depth ga		eadings of caliper are eadings of depth gau		
Ľ.	A	B	C	D	E
1	Project	External diameter1	External diameter2	Length	Depth
2	Dimension and Tolerance	Ф23+0.01/-0.02	Ф21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gag
4	1	23.010 -	21.008	49.98	28.01
5	2	23.010	21.000	49.98	27.98
5	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000 💆	20.985	50.01	28.01
9	6	23.008	Channel 1	Channel 2	Channel 3

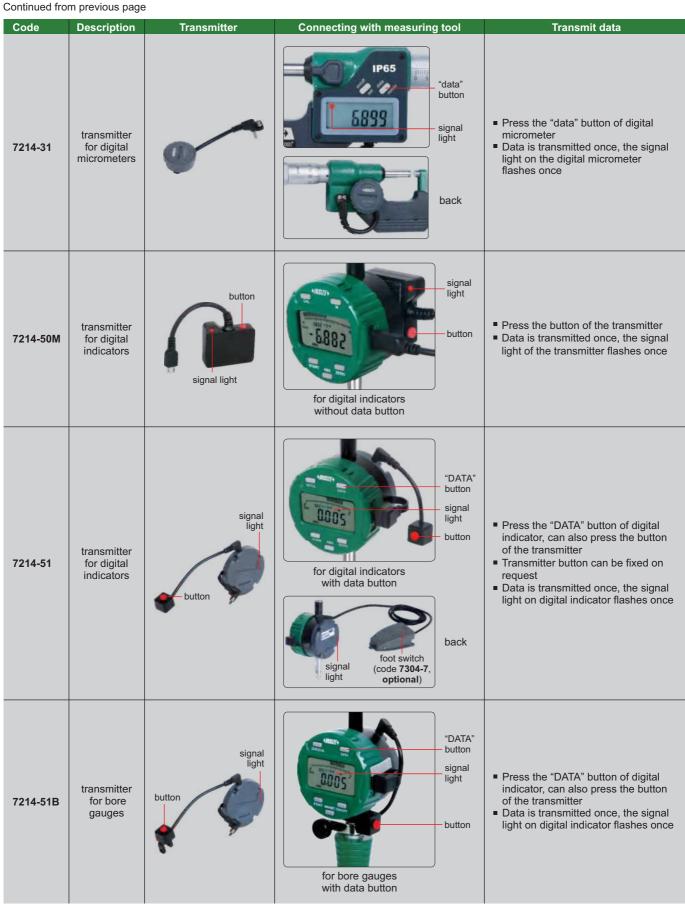
BLUETOOTH TRANSMITTERS

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- Through bluetooth transmission, the readings of measuring tools can be transmitted to computers or mobile phones 2.4GHz band
 Recognized as HID keyboard device, the transmitted data is recognized by
- computers or mobile phones as keyboard input data and press enter key, such as 12.34 ∠
- No need to install drivers and softwares, data can be transmitted to excel, word, txt etc.
- For any softwares which can receive keyboard signal
- Transmission distance is 10 meter (under the condition of no obstruction and no electromagnetic interference)
- Connecting to digital measuring tools such as calipers, micrometers and indicators
- CR2032 battery



Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7214-25	transmitter for digital calipers	button signal light	button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7214-22	transmitter for large digital calipers	button signal light	signal light button	 Press the button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once
7214-30	transmitter for digital micrometers	button Fignal light	for 3102 , 3128 , 3565 series digital micrometers	 Press the "data" button of the digital micrometer, can also press the button of the transmitter Data is transmitted once, the signal light of the transmitted flashes once, at the same time, the signal light on the digital micrometer flashes once



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WIRELESS DATA TRANSMISSION SYSTEM OF DIGITAL INDICATORS (REMOTE CONTROL)

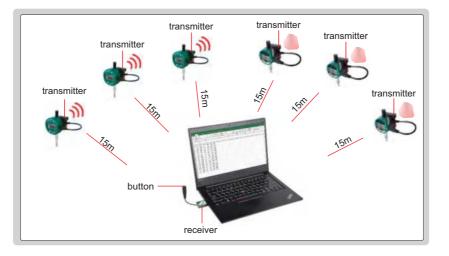


- The readings of digital indicators can be transmitted to computers or mobile phones
- Data acquisition can be remotely controlled through the receiver
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
 Transmission distance is 15 meter (under the condition of no
- obstruction and no electromagnetic interference)

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	channel 1	channel 2	channel 3	channel 4	channel 5	channel 6
	Å	B	ć	b	E	F
1	24.35	0.4045	57.72	1.949	0.4075	0.03568
2	24.45	0.5045	57.82	2.049	0.5075	0.13568
3	26.35	0.4045	57.72	1.949	0.4075	0.00078
4	27.35	0.4045	57.72	1.7575	0.4075	0.0762
5	28.35	0.4045	57.72	1.7575	0.4075	0.0762
6	29.35	0.4045	57.72	1.7575	0.4075	0.07618
7	30.35	0.4045	57.72	1.7575	0.4075	0.55334
8	31.35	0.4045	57.72	1.7575	0.4075	0.61198
9	24.35	0.4045	57.72	1.7575	0.4075	0.6172

transmission method: the button on receiver is pressed once, the readings of all digital indicators are transmitted



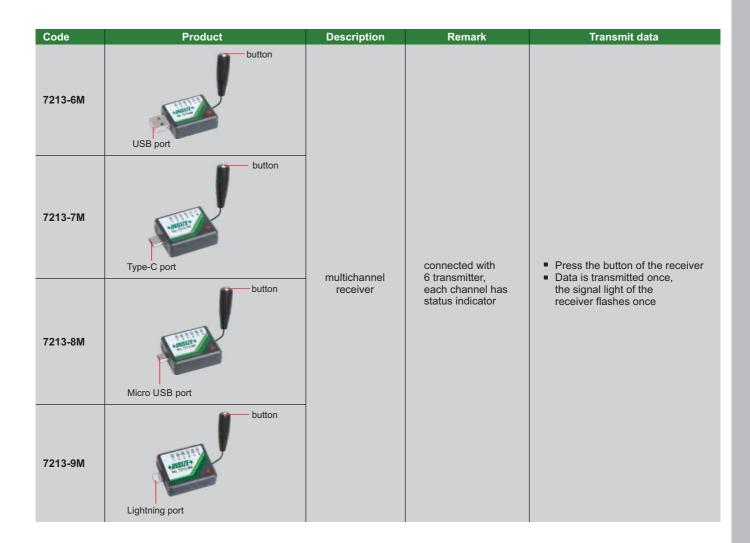
Transmitter

- Suitable for digital indicators
- CR2032 battery
- 80 hours of operation on a single battery in measurement mode

Code	Transmitter	Connecting with digital indicators	Transmit data
7213-56			 Press and hold the button to enter the measurement mode Press the receiver button in measurement mode to acquire data

Receiver (keyboard signal)

- For computers and mobile phones
- Recognized as HID keyboard device, the transmitted data is recognized by computers or mobile phones as keyboard input data and press enter key, such as 12.34 v. No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- Suitable for any softwares which can receive keyboard signal

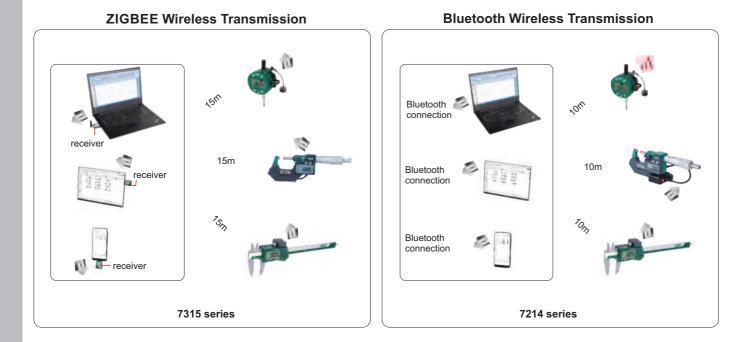


hand switch, code 7213-SW (included), length 2m



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COMPARISON TABLE



Code	7315 series	7214 series				
Function	wireless transmission of measurement data fr	om measuring tools to computers or mobile phones				
Operation system	Windows, Android or iOS					
Wireless module	Zigbee Bluetooth 5.0					
Receiver	need receiver receiver is not needed, Bluetooth connect (one receiver can be connected to 16 transmitters) (one computer/mobile phone can be connected to 7					
Communication type	keyboard format (suitable for any software or APP which can receive keyboard input values) text format, virtual com port (a. connect to software which recognizes different channels and IDs according to serial communication protocols and defines data entry area for different measurement tools; b. can also use the software (included in the 7315-2 receiver) to transmit measurement data from multiple measuring tools to the designated area in Excel for easy data management)	keyboard format (suitable for any software or APP which can receive keyboard input values)				
Acquisition method	press-button single transmission					
Transmission performance	transmission performance with low power consumption, high speed, accurate and stable data, and strong anti-interference performance	transmission performance depends on the Bluetooth performance of computers/mobile phones				
Transmission distance	15m	10m				
Connection memory	matching operation is not needed after the computer/mobile phone is turned off and on again	need to press the button to match after the computer/mobile phone is turned off and on again				

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DATA OUTPUT CABLES (TEXT FORMAT, VIRTUAL COM PORT)

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application 1) Data output cables with transmit box press red button to transmit data signal light button transmit box can also press the foot 7305-21 switch to transmit data (code 7304-2, optional) Single transmit (can be switched to continuous transmit) Plug to Plug to Connecting with measuring tool Code Description Transmit data measuring tool computer 7305-21 button Press the button on the plug of cable, can also press the button of the cable for digital calipers transmit box, or press the foot switch (length 3m) Data is transmitted once, the signal light of the transmit box flashes once 7305-R21 7305-22 Press the button of the transmit box, cable for large or press the foot switch digital calipers Data is transmitted once, the signal (length 2.5m) light of the transmit box flashes once 7305-R22 signal light 10521 7305-30 Press the "data" button of digital 6 micrometer, can also press the button of the transmit box, cable for digital or press the foot switch "data" button micrometers Data is transmitted once, the signal (length 2.5m) light of the transmit box flashes once, at the same time, the signal light on back the digital micrometer flashes once 7305-R30 for 3102, 3128, 3565 series digital micrometers "data" button signal light IP65 Press the "data" button of digital 7305-31 micrometer, can also press the 10 button of the transmit box, cable for digital or press the foot switch 1 108 micrometers Data is transmitted once, the signal -INSIZE (length 2.5m) light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once 7305-R31 back



1

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data										
7305-50M	cable for digital gauges				 Press the button of the transmit box, or press the foot switch 										
7305-R50M	(length 2.5m)		*		Data is transmitted once, the signal light of the transmit box flashes once										
7305-1150	cable for digital height gauges		, ** *												Press the button of the transmit box, or press the foot switch
7305-R1150	(length 2.5m)				Data is transmitted once, the signal light of the transmit box flashes once										



7305-40M

Continuous transmit (can be switched to single transmit)

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-40M	cable for digital indicators (length 2.5m)			for 2108 , 2138 , 2139 series digital indicators	 Continuous transmit is controlled in software Single transmit: Press the "DATA" button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once Note: long press button to zero the digital indicators; software of data transmit is included
				for other digital indicators	Continuous transmit is controlled in software Single transmit: Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once Note: long press button to zero the digital indicators; software of data transmit is included

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-R40M	cable for digital indicators (length 2.5m)			for 2108 , 2138 , 2139 series digital indicators	 Continuous transmit is controlled in software Single transmit: Press the "DATA" button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once Note: long press button to zero the digital indicators; software of data transmit is included
	indicators (length 2.5m)			For other digital indicators	Continuous transmit is controlled in software Single transmit: Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once Note: long press button to zero the digital indicators; software of data transmit is included

Software (included in 7305-40M and 7305-R40M)

- Real-time display
- Tolerance setting, automatic judgment, out-of-tolerance alarm
- Real time statistics: max, min, average, Go/No-Go number
- Can save results as Excel

expor	t Excel		real-time display digital indicators
No Value 000001 11.756 000003 10.940 000005 12.000 000006 12.000 000006 12.000 000006 11.490	ave Max Error Result -0.244 OK -0.270 OK -1.860 NG -1.880 NG 0.000 OK 0.000 OK 0.000 OK -1.216 NG -1.216 NG -1.216 NG -1.216 NG -1.400 NG	Ime Ime 2020-10-12 09:28:46 2020-10-12 09:28:47 2020-10-12 09:28:47 2020-10-12 09:28:52 2020-10-12 09:28:52 2020-10-12 09:28:54 2020-10-12 09:28:55 2020-10-12 09:28:55 2020-10-12 09:28:56 2020-10-12 09:28:58	Real-time neasurement \$\$ \$\$ \$\$ \$\$ English Internal debug: Image: statistics AVG II.145 Num MAX I2 OK INN 10.03 NG- ININ I2 Beep off \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$
	rement results I judgment		setting tolerance and sampling period

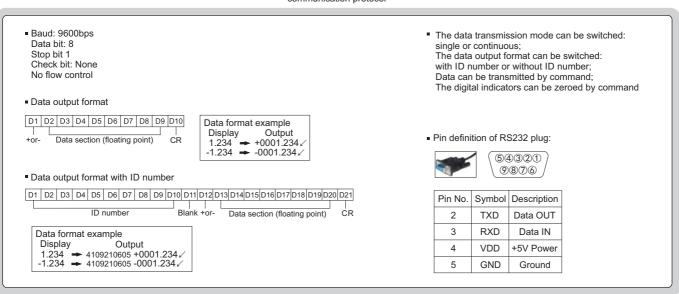
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communication protocol



2) Data output cables without transmit box

application



Single transmit

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data	
7305-G60	cable for high precision digital indicators (length 3m)	-		"DATA" button	Press the "DATA" button of high precision digital indicator	
7305-G3350	cable for digital micrometers (length 3m)			"DATA" button	 Press the "DATA" button of digital micrometer 	
communication protocol						

Baud: 9600bps Data bit: 8 Data bit: 8 Stop bit 1 Check bit: None No flow control	Data format example Display Output 1.234 + +0001.234 ✓ -1.234 → -0001.234 ✓	 Data can be transmitted by command The digital indicators or micrometers can be zeroed by command
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- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files (press transmit button, which is
- recognized by the computer as keyboard input data and press enter key, such as 12.34∠) ■ For any softwares which can receive keyboard signal
- Optional accessory: foot switch (code: 7304-2), hub (code: 7324-HUB4, 7324-HUB7), extension cables (code: 7325-ADD5, 7325-ADD10)

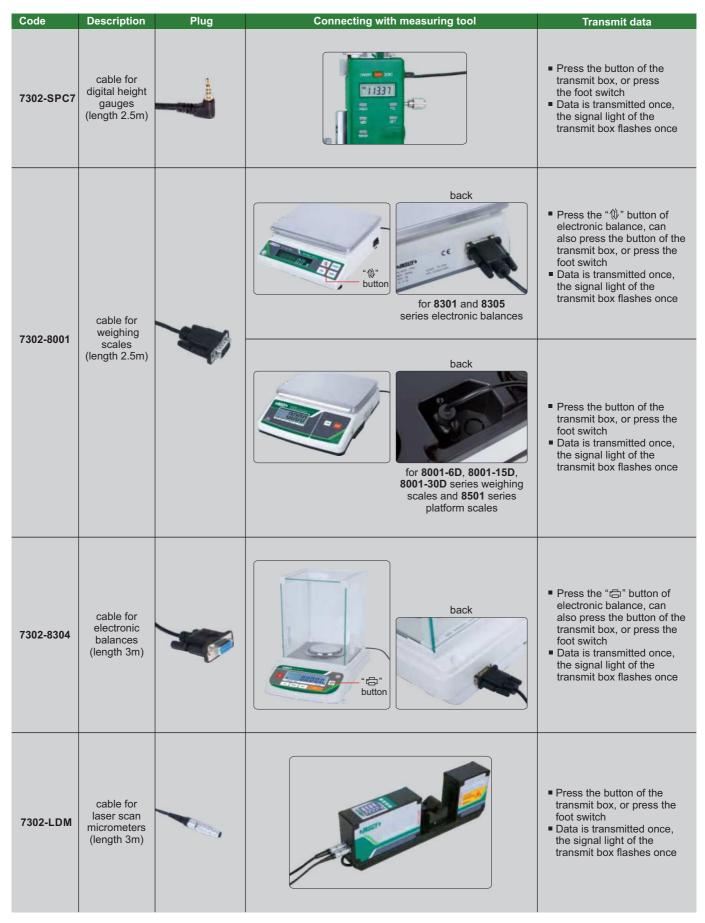
Code	Description	Plug	Connecting with measuring tool	Transmit data
7302-21	cable for digital calipers (length 3m)	-	button	 Press the button on the plug of cable, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7302-22	cable for large digital calipers (length 2.5m)			 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7302-30	cable for digital micrometers (length 2.5m)		signal light "data" button for 3102 , 3128 , 3565 series digital micrometers	 Press the "data" button of digital micrometer, can also press the button of the box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once
7302-31	cable for digital micrometers (length 2.5m)		signal light "data" button	 Press the "data" button of digital micrometer, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once

To be continued

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7302-50M	cable for		
	digital gauges (length 2.5m)		 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7302-40M	cable for digital indicators	"DATA" button signal light for 2108, 2138, 2139 series digital indicators	 Press the "DATA" button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once Note: long press button to zero the digital indicators
	(length 2.5m)	For other digital indicators	 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once Note: long press button to zero the digital indicators
7302-60	cable for high precision digital indicators (length 2.5m)	"DATA" button	 Press the "DATA" button of high precision digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7302-3350	cable for digital micrometers (length 2.5m)	"DATA" button	 Press the "DATA" button of digital micrometer, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7302-1151	cable for digital height gauges (length 2.5m)		 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once



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485 DATA OUTPUT CABLES

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- Modbus-RTU protocols
 Can be connected to a PC or PLC
- The baud rate is configurable (9600, 19200, 38400)
 The communication address is configurable

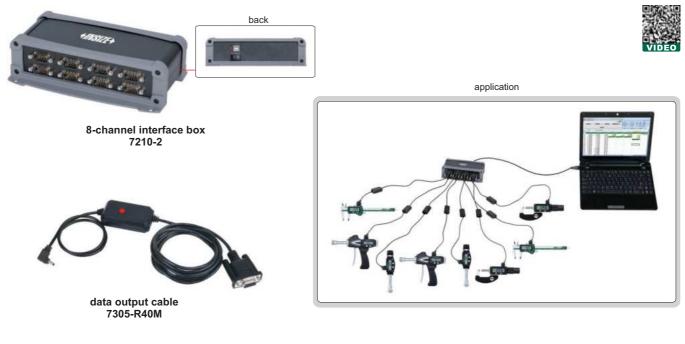


7215-50M

Code	Description	Plug	Connecting with measuring tool	Transmit data
7215-21	cable for digital calipers (length 3m)			 Acquiring data through host computers
7215-22	cable for digital calipers (length 2.5m)			 Acquiring data through host computers
7215-30	cable for digital micrometers (length 2.5m)		for 3102 , 3128 , 3565 series digital micrometers	 Acquiring data through host computers
7215-31	cable for digital micrometers (length 2.5m)			 Acquiring data through host computers
7215-40M	cable for digital indicators (length 2.5m)			 Acquiring data through host computers
7215-50M	cable for digital gauges (length 2.5m)			 Acquiring data through host computers

INTERFACE BOX AND DATA OUTPUT CABLES

MSZ



- The interface box can be connected to digital measuring tools, such as calipers, micrometers, indicators (7305-R series data output cables are needed)
- The interface box is supplied with Excel directional input software
- The interface box can be connected with 8 data output cables,
- each of them has unique identification code

Excel directional input software

- Supplied with 7210-2 interface box
- The measurement data of multiple measuring tools can be transmitted to the designated area of Excel, which is convenient for data management and improves efficiency

excel directional input software application example 1

Set the display area of caliper at B4-B9, the readings of caliper are displayed at B4, B5...B9. Set the display area of micrometer at C4-C9, the readings of micrometer are displayed at C4, C5... C9. Set the display area of height gauge at D4-D9, the readings of height gauge are displayed at D4, D5... D9.

Ľ	A	8	c	D
1	Project	Length	Width	Height
2	Dimension and Tolerance	50±0.05	24±0.01	10+0.05/-0.06
3	Measuring tool	Caliper	Micrometer	Height gage
4	1	50.02	24.004	9.98
5	2	50.01	24.010	10.01
6	3	49.99	23.990	10.02
,	4	50.00	23.996	9.99
8	5	50.04	24.000	10.01
9	6	Channel 1	Channel 2	Channel 3
	serial of workpieces		next data displa indicated in gr	

INTERFACE BOX SPECIFICATION

Code	7210-2
Quantity of digital measuring tools to be connected	8 pcs
Output port	USB (virtual serial signal)

excel directional input software application example 2

Set the display area of micrometer at B4-C9, data input is from the left to the right, the readings of micrometer are displayed at B4, C4, B5, C5... B9, C9. Set the display area of caliper at D4-D9, the readings of caliper are displayed at D4, D5... D9. Set the display area of depth gauge at E4-E9, the readings of depth gauge are displayed at E4, E5... E9.

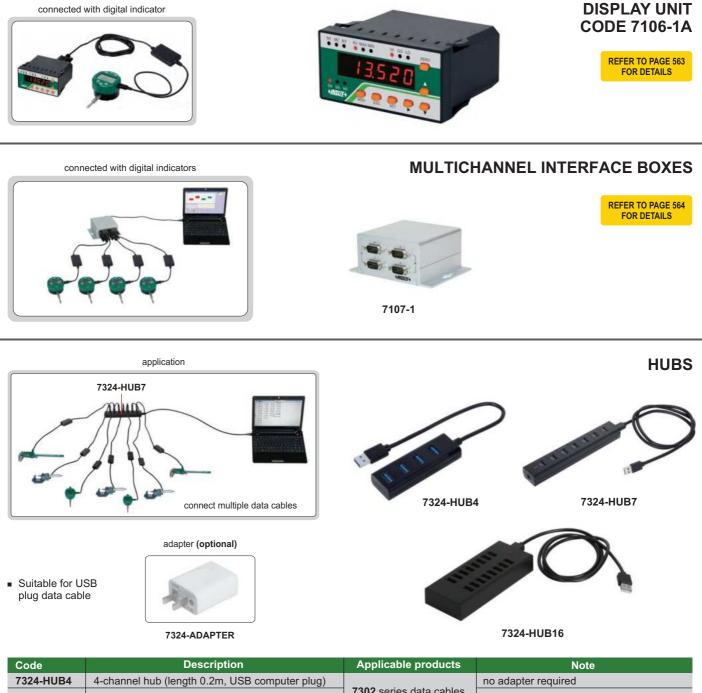
0	A	B	¢	D	E
1	Project	External diameter1	External diameter2	Length	Depth
ż	Dimension and Tolerance	Ф23+0.01/-0.02	Ф21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gage
4	1	23.010	21.008	49,98	28,01
5	2	23.010	21.000	49.98	27,98
5	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000	20.985	50.01	28,01
9	6	23.008	Channel 1	Channel 2	Channel 3
	serial of workpieces			e next data dis is indicated in	

To be continued

+INSIZE-

ΟΑΤΑ Ουτρι	JT CABLE SPE	CIFICATION Plug to	Connecting with	
Code	Description	measuring tool	measuring tool	Transmit data
7305-R21	cable for digital calipers (length 3m)		button	 Press the button on the plug of cable, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R22	cable for large digital calipers (length 2.5m)			 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R30	cable for digital micrometers (length 2.5m)		signal light	 Press the "data" button of digital micrometer, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once
7305-R40M	cable for digital indicators		"DATA" button light signal light suitable for 2108 , 2138 , 2139 series digital indicators	 Press the "DATA" button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once
7303-K40M	(length 2.5m)		suitable for other digital indicators	 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R50M	cable for digital gauges (length 2.5m)			 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R1150	cable for digital height gauges (length 2.5m)			 Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once





ooue	Beeenphen	reprisedure producto	Note
7324-HUB4	4-channel hub (length 0.2m, USB computer plug)		no adapter required
7324-HUB7	7-channel hub (length 1m, USB computer plug)	7302 series data cables (USB plug) 7305 series data cables (USB plug)	optional: adapter (code: 7324-ADAPTER) note: adapter required for connecting high power devices
7324-HUB16	16-channel hub (length 1m, USB computer plug)		adapter is included

				EXTENSION CABI
Code	Description	Applicable products		application
7325-ADD5	data extension cable (length 5m, USB plug)	7302 series data cables		80
7325-ADD10	data extension cable (length 10m, USB plug)	7305 series data cables (USB plug)	7325-ADD5	

FOOT SV	VITCH		
 For data training 	nsmission	7304-2	application
Code	Description	Applicable products	press the foot switch
7304-2	data transmission foot switch with cable (length 2m)	7302 series data cables 7305 series data cables	to transmit data (code 7304-2 , optional)

OK/NG INPUT SWITCHES

+INSIZE+



7327-FS



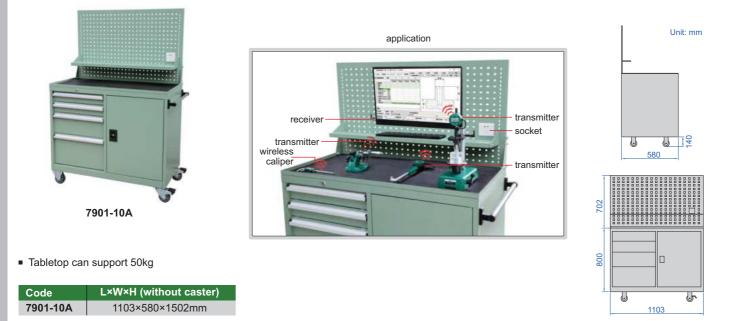
7327-SW

- Used with 7317 software, output OK or NG
- USB plug, length 1.5m

Code	Description		
7327-FS	foot switch for OK/NG input		
7327-SW	hand switch for OK/NG input		



MOBILE WORKBENCH



DEPTH BASE ATTACHMENTS

-INSIZE

2

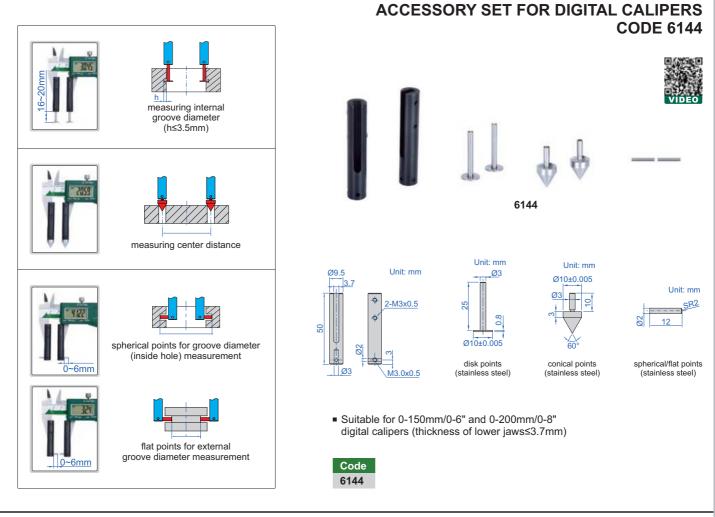


• To increase the stability of depth measurement

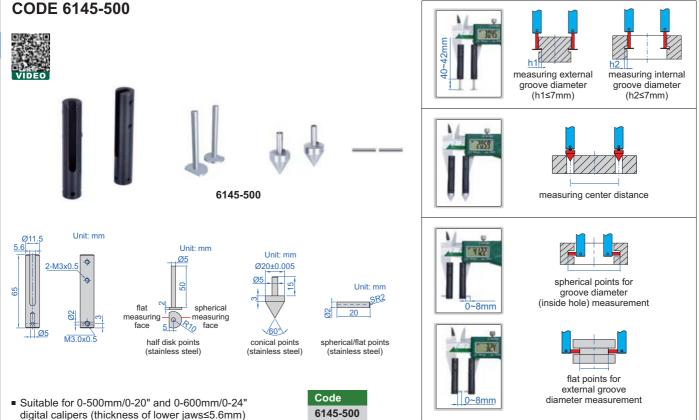
Made of stainless steel

						(mm)
Code	а	b	С	d	е	f
6140	16.5	9	75	18	30	6
6140-300A	20	15	125	22	34	9
6140-16B	16	12.5	75	24.5	30	11
6140-300B	20	15	125	28	35	13

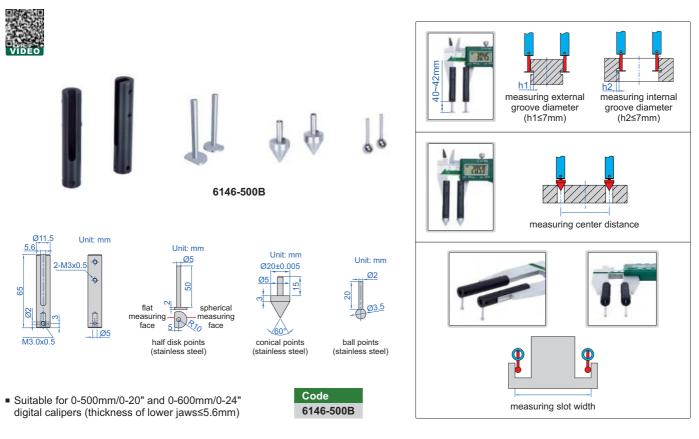
Application				
Code	Туре	Application		
6140	narrow base (f=6mm)	suitable for 1195/1118/1113/1108/1103/1114/1109/1130/1193/1110 series digital calipers with beam width (w) 16mm		
6140-300A	narrow base (f=9mm)	suitable for 1196 series digital calipers with beam width (w) 20mm		
6140-16B	wide base (f=11mm), high stability	suitable for 1195/1118/1113/1108/1103/1114/1109/1130/1193/1110 series digital calipers and 1312/1311/1339 series dial calipers with b am width (w) 16mm		
6140-300B	wide base (f=13), high stability	suitable for 1196 series digital calipers and $1312/1311/1339$ series dial calipers with beam width (w) 20mm		



ACCESSORY SET FOR LARGE DIGITAL CALIPERS CODE 6145-500



ACCESSORY SET FOR LARGE DIGITAL CALIPERS (WITH SIDE POINTS) CODE 6146-500B



2

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