SHAHE®

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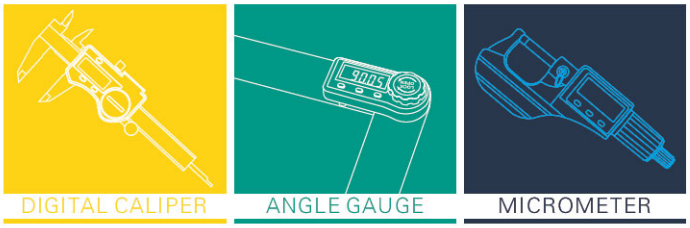
RoHS CE FC FDA

Wenzhou Sanhe Measuring Instrument Co.,Ltd

100%
Quality assurance

10+
Top 10 countries



MEASURING INSTRUMENTS

PRODUCT SELECTION GUIDE

EDITON 2026

SHAHE®


SHAHE®

01

About Govtor Capital

Wenzhou Sanhe Measuring Instrument Co., LTD.established in May, 2002. It is a global company integrating research, development, production and trade of measuring instruments.

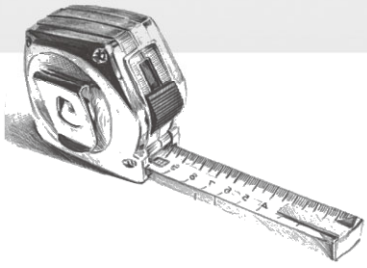
As a professional entity integrating industry and trade, we can provide reliable product delivery and consistent quality service to customers around the world. Our perfect equipment and strong process design capabilities enable us to manufacture high quality tool products to meet the different requirements of our customers. To prove the quality level of our products, our products are also CE and RoHS certified.

We specialize in the manufacture of precision measuring equipment. The company has always pursued the "quality first, customer first, technology first, integrity-based" business philosophy. Our products are applicable to electronic and electrical appliances, electromagnetic machinery, auto parts, power machinery, building doors and windows, spring manufacturing, medical instruments, fu rniture elevators, woodworking, and schools and other ndustries. In addition, we are also able to customize products according to customer needs. For details, please contact us directly.

Establish in
2002 Year

registered capital
3 Million RMB

Sanhe measuring tool
100+ Products for you to choose from



01 Qualification Certificate

Quality oriented, honest management, and the exquisite combination of technology and equipment have created a solid quality foundation for Sanhe Measuring Tools. A stable team of employees, meticulous production management, and standardized workflow have enabled Sanhe Measuring Tools to achieve efficient and stable production.

Sanhe Measuring Tools has established a comprehensive quality management process, closely monitoring each link to ensure stable and controllable product quality. Sanhe Measuring Tools is committed to creating a first-class industry model.

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J Force Measuring Series

K Torque Wrench Series

L Concentricity Gauge Series

EXCEL/USB/RS232 Data Cable

EXCEL data cable
5000-01

(5000-01) USB data cable of EXCEL version:
Input: digital signal
Output: USB keyboard signal
Power supply: 5V

RS232 data cable
5000-03

Accessories: foot switch
5000-04

(5000-03) RS232 data cable:
Input: digital signal
Output: RS-232 signal
Power supply: 12V

SPC DataTransmitter/SPC Data Receiver/Wireless Data Transmitter

SPC data transmitter
5001-01

(5001-01) SPC data transmitter:
Operating frequency: 433MHz+/-20KHz
Modulation: 433MHz2FSK
Port: Mini USB port
Power supply: DC3V
Battery type: CR2032 3V lithium battery
Battery life: Storage > 1 year
Data transmission > 10000

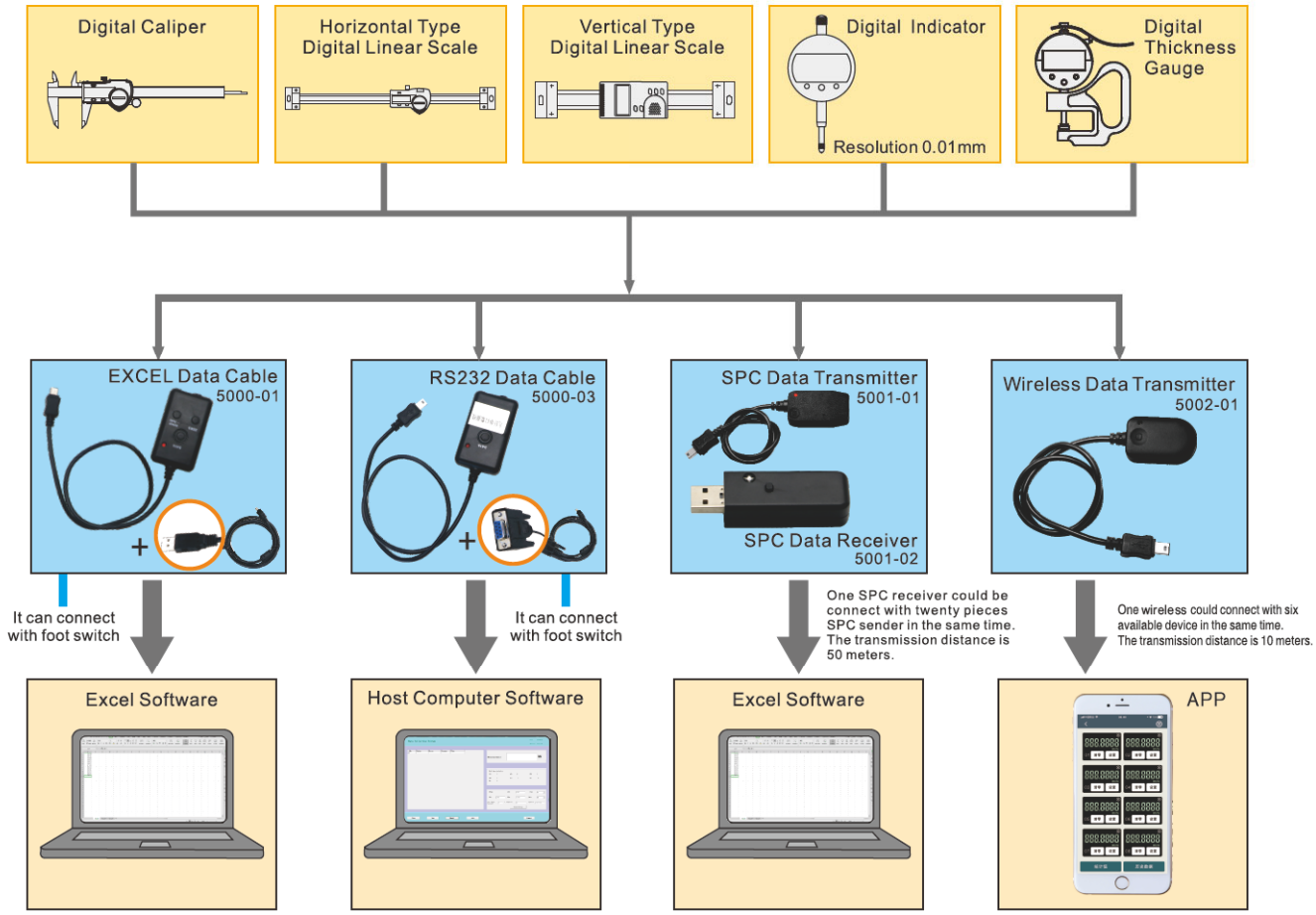
SPC data receiver
5001-02

(5001-02) SPC data receiver:
Operating frequency: 433MHz +/- 20KHz
Modulation: 433MHz2FSK
Port: USB port
Power: DC5V 300MA powered
by computer USB port

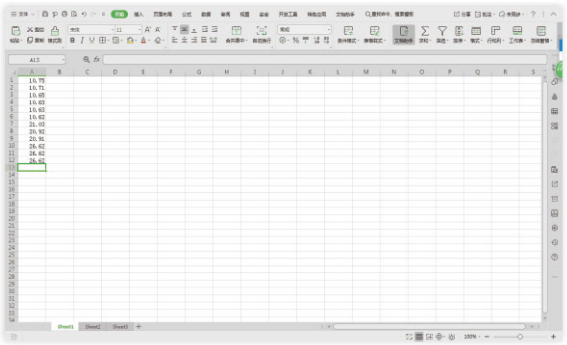
Wireless data transmitter
5002-01

(5002-01) Wireless data transmitter:
Dperating frequency: 2402-2480MHz
Modulation: GFSK
Sensitivity: -92dBm
Port: Mini USB port
Power supply: DC3V
Battery type: CR2032 3V lithium battery
Battery life: Storage > 1 year
Data transmission > 10000

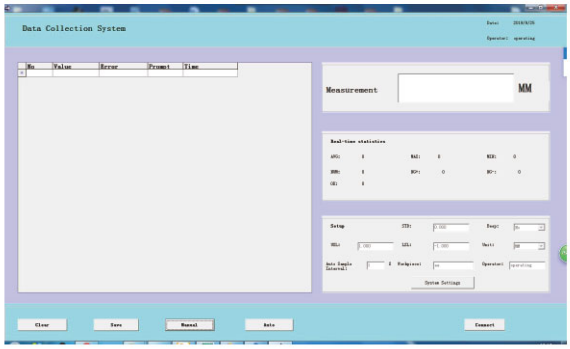
Steps



Data Acquisition Software



Excel



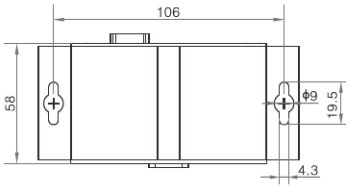
Software

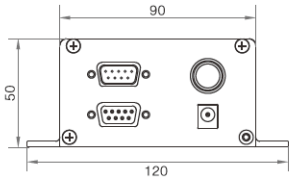
Hub

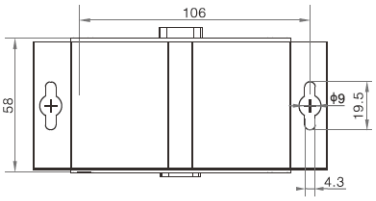
Hub:
- Input port: DB9 port, RS232 signal
- Output port: DB9 port, RS232/RS485 signal
- Function: Collect displacement data of micrometer
- Power supply: 12V AC-DC Adapter

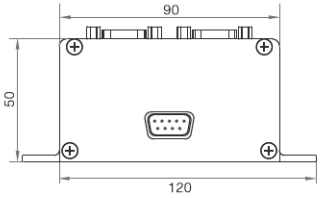
Data communication parameters:
- Data output format: Mod Bus standard protocol, RTU mode
- Data transmission mode: full duplex transmission
- Device address: 80H
- Data start bit: 1 bigit
- Data length: 8 digits
- Data stop bit: 2 digits
- Parity bit: None
- Baud rate: 38400bps

Assembling the hub









Assembling the main hub
5010-10Z

Assembling the sub–hub
5010-10F

Input port: DB9 port, RS232 signal

Output port: DB9 port, RS232/RS485 signal
Function: Collect the displacement data of the micrometer
Power supply: 12V AC–DC Adapter

Features: the number of channels can be combined freely, and 60 channel capacitive grating micrometers or 24 channel grating displacement sensors can be connected

Data communication parameters:

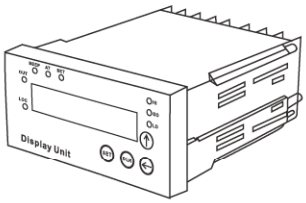
- Data output format: MODBUS standard protocol, RTU mode
- Data transmission mode: full duplex transmission
- Default device address: 80H
- Default data start bit: 1 bit
- Default data length: 8 digits
- Default data stop bit: 2 digits
- Default parity bit: None
- Default baud rate: 38400bps

Technical Parameters

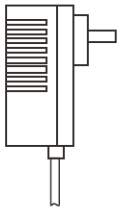
Model	Four-way hub		Eight way hub		Assemble hub	
	Four way main hub	Four-way splitter	Eight way main hub	Eight way splitter	Assemble the main hub	Assemble the splitter cable
Picture	 		 			
communication interface	RS232/RS485		RS232/RS485		RS232/RS485	-
communication protocol	Modbus RTU		-			
Scalable quantity	4 diversity line switches	-	8 diversity line switches	-	Connecting capacitance grid displacement sensors: up to 15 assembled branch line connectors can be connected Connecting grating displacement sensors: up to 6 assembly line splitters can be connected	-
Number of sensors that can be connected	Up to 32 can be connected	4 of them	Up to 60 can be connected	8 of them	Capacitive grid displacement sensor:Up to 60 Connecting grating displacement sensor:Up to 24	4 of them
Power supply voltage power	12-24VDC					
Rate consumption	Not exceeding 150mW (Sensor not connected)		Not exceeding 240mW (Sensor not connected)		Not exceeding 260mW (Not connected to the assembled hub)	Not exceeding 1 00mW
Sampling period	50ms					
response time	20 times/second					
control input	No voltage input (optional - foot switch)				No voltage input (Optional - Foot switch)	-

Display Box

Display box
5010-01



Display box



Power Supply

Power transfer line

Display mode: 6-digit LED digital tube
Features:

- Display displacement data of micrometer
- Preset upper and lower tolerance data
- Panel Hi/Go/LO three LED lights indicate that the result of tolerance comparison is over/qualified/below
- When the data is out of tolerance, the buzzer will alarm
- Default external input signal to zero and hold the data
- Output the signal of over / qualified / below
- Power supply: 12V AC–DC Adapter

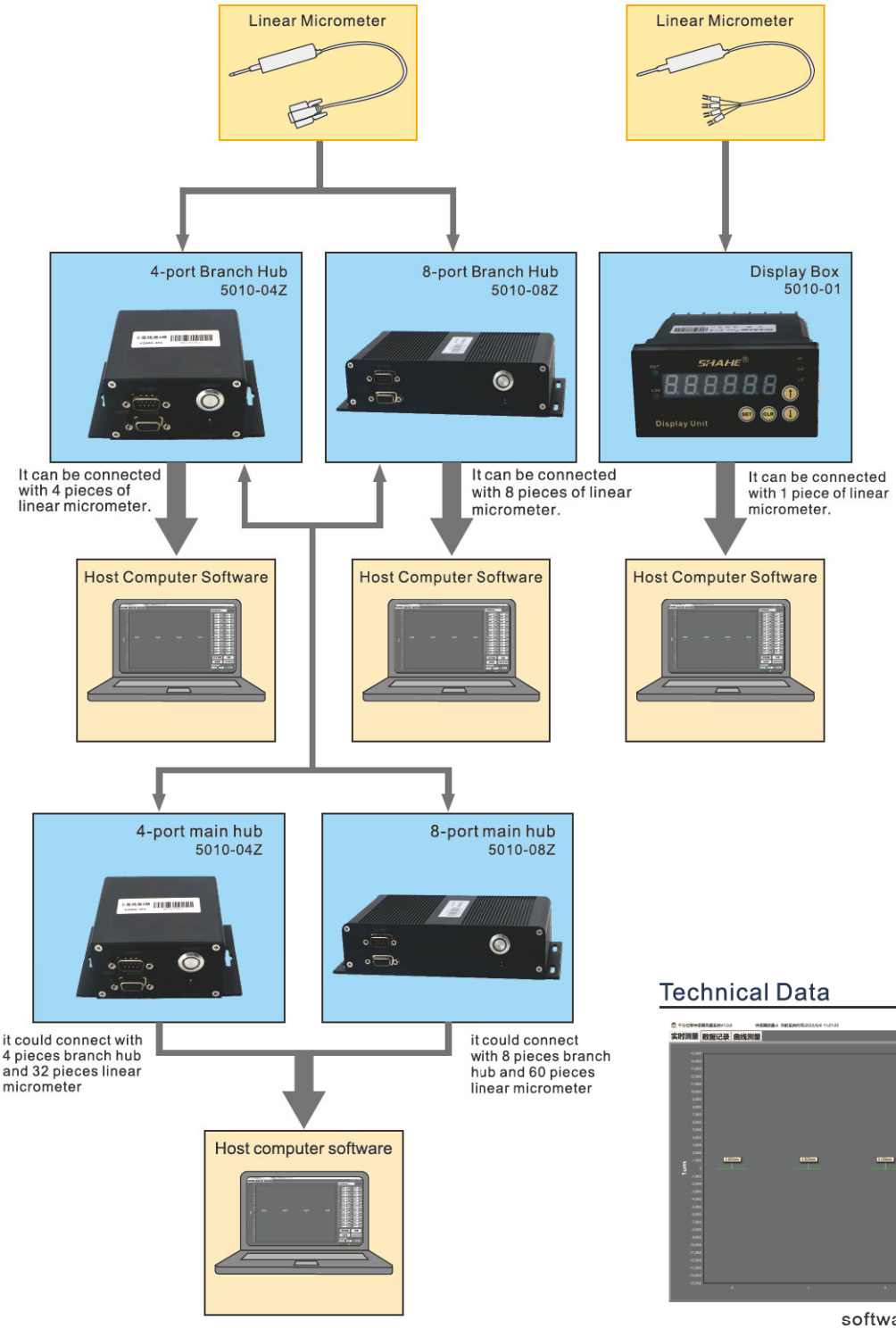
Data communication parameters:

- Output port: RS232 signal
- Data output format: ModBus standard protocol, RTU mode
- Data transmission mode: full duplex transmission
- Device address: 80H
- Data start bit: 1 bigit
- Data length: 8 digits
- Data stop bit: 2 digits
- Parity bit: None
- Baud rate: 38400bps

Technical Parameters

Model		Display Box
Picture		
Communication interface signal		RS232
communication protocol		Modbus RTU
Number of sensors that can be connected		1 piece
supply voltage		9-24VDC
Display Range		-999.9999 to 9999.9999
Display resolution		5μm/1μm/0.5μm/0.2μm(Displayed based on the type of sensor)
Power consumption		Not exceeding 280mW (without sensor connection)
response time		10 times/second
Control output(HI/GO/LO)	NPN output	Maximum output 20mA
Control in	External reset, external Locking and output control	No voltage input

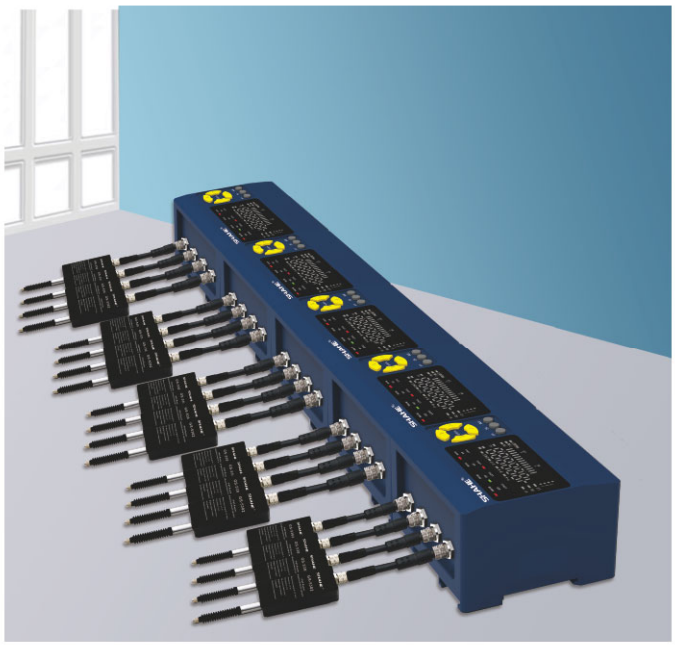
Steps

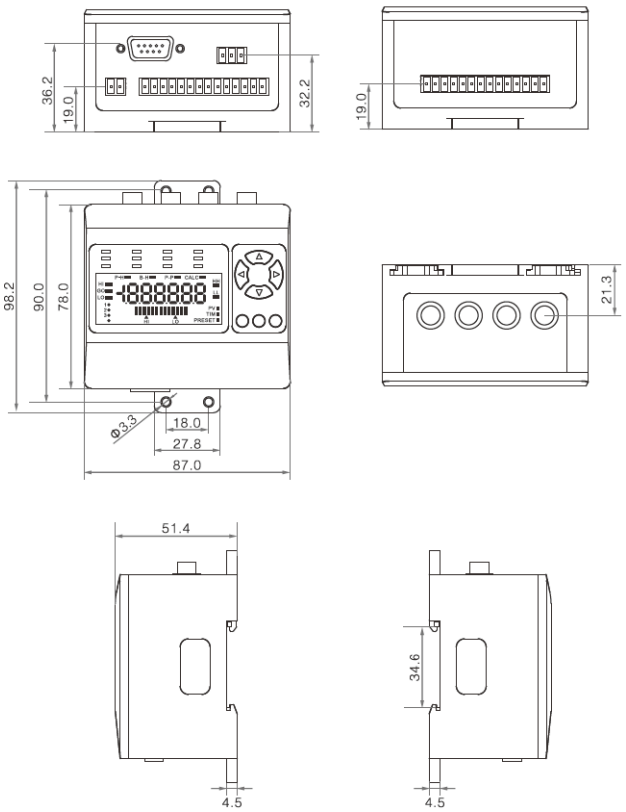


Technical Data

software

Controller





Main Controller

Sub-controller

Main Controller

- Power supply: DC12~24V
- Communication output interface: RS232 and RS485.
- Communication protocol: MODBUS RTU protocol.
- Output signals: five kinds of switcHIng signals: HH, hi, GO, LO and II.
- Input signals: PRESET, TIMING, BANK A, BANK B, control output and confirmation output.
- Display interface: 6-digit digital tube display and status indicator light.
- Key function: You can modify the tolerance setting (HH, HI, LO, LL tolerance range), preset value, hold value, delay output, peak value hold, valley value hold, extreme value hold and NG hold by pressing the key.
- Calculation method: maximum value, minimum value, uniformity, average value, benchmark difference, distorted reading, warping and thickness.
- Number of sensors: one main controller can be connected with four displacement sensors.
- Number of splicing: one main controller can splice four sub-controllers.

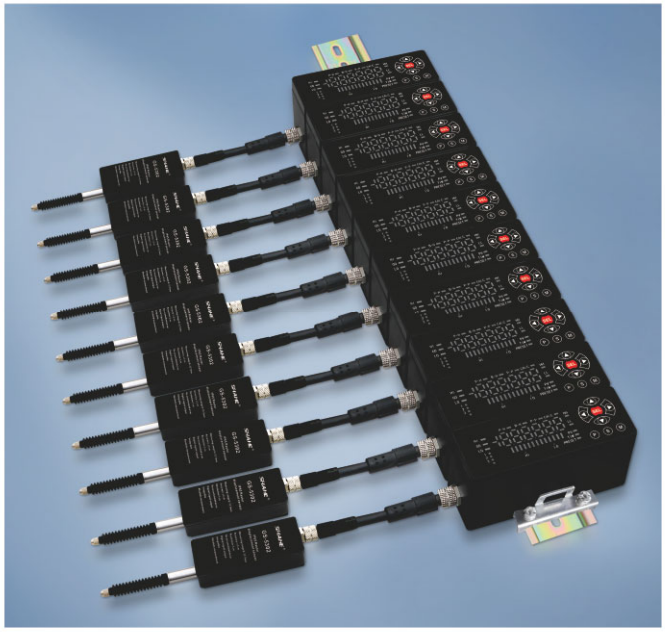
Sub-controller

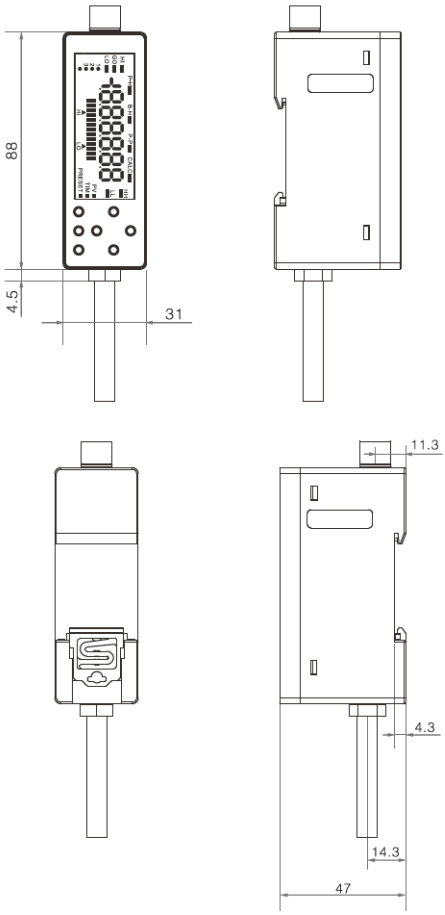
- Output signal: HH, HI, GO, LO, LL 5 kinds of switching signals
- Input signal: PRESET, TIMING, BANK A, BANK B, control output
- Display interface: 6-digit digital tube display, status indicator
- Key Function: Tolerance setting, preset value, hold value, delay output, peak hold, valley hold, extreme difference hold, NG hold can be modified by key
- Calculation mode: maximum value, minimum value, uniformity, average value, reference difference, distortion reading, warpage, thickness
- Number of sensors: 1 sub-controller can be connected to 4 displacement sensors

Technical Parameters

Model	Main controller ZMK		Sub-controller FMK	
Picture				
Installation type	35mm track installation type	Panel mount	35mm track installation type	Panel mount
communication interface	RS232/RS485		-	
communication protocol	Modbus RTU		-	
Scalable quantity	1 main control module, expandable up to 4 sub controlsModule manufacturing (up to 20 sensors can be connected)			
Number of sensors that can be connected	4 of them			
supply voltage	12-24VDC			
Display Range	-From September 1999 to September 1999			
Display resolution	5 μ m/1 μ m/0.5 μ m/0.2 μ m (displayed according to the type of sensor)			
Power consumption	Not exceeding 240mW (not connected to sensor, not connected to sub control module)		Not exceeding 100mW (without sensor connection)	
response time	50/100/500/1000ms (changed in functional parameter settings)			
Control output(HI/GO/LO)	NPN output	Maximum output 20mA		

Controller





Main Controller

Sub-controller

Main Module

- Power supply: DC12~24V
- Output signal: HH, HI, GO, LO, LL 5 kinds of switching signals
- Input signal: PRESET, TIMING, BANK A, BANK B, RESET
- Display interface: 6-digit digital tube display, status indicator
- Key function: tolerance setting (HH, HI, LO, LL tolerance range), preset value, hold value, delayed output, peak hold, valley hold, extreme difference hold, NG hold can be modified by key
- Calculation: maximum value, minimum value, uniformity, average value, reference difference, distortion reading, warpage, thickness
- Number of splices: 1 main module can be connected to 9 sub-modules

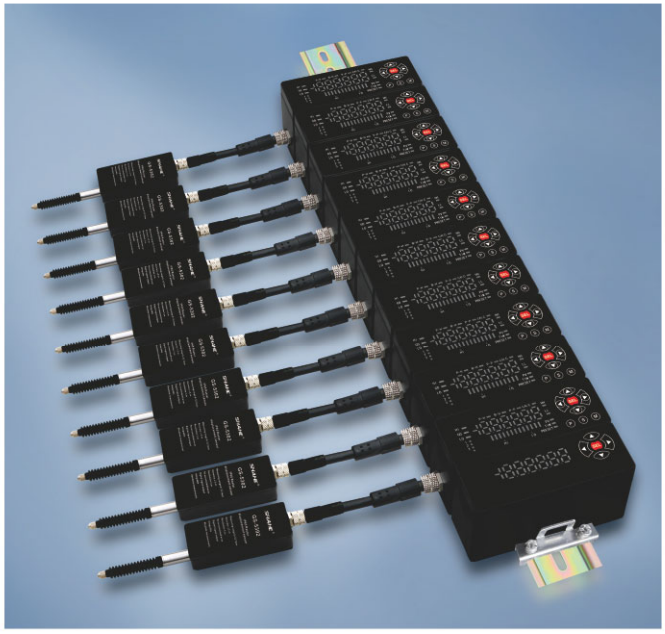
Sub-module

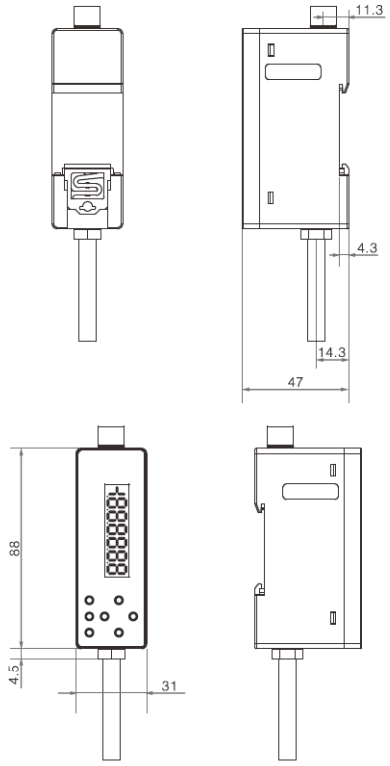
- Output signals: HH, HI, GO, LO, LL 5 kinds of switching signals
- Input signal: PRESET, TIMING, BANK A, BANK B, RESET
- Display interface: 6-digit digital tube display, status indicator
- Key function: tolerance setting (HH, HI, LO, LL tolerance range), preset value, hold value, delayed output, peak hold, valley hold, extreme difference hold, NG hold can be modified by key
- Calculation mode: maximum value, minimum value, uniformity, average value, reference difference, distortion reading, warpage, thickness

Technical Parameters

Model		XS-71ZN	XS-72ZN	XS-CK
Picture				
Installation type		35mm track installation type		
Main modulecontrol module communication module		Main module	extension module	communication module
Communication interface signal		-	-	RS232/RS485
communication protocol		-	-	Modbus RTU
Scalable quantity		1 main module, expandable up to 9 expansion modules (up to 10 sensors)		1 main module, can expand up to one communication module
Number of sensors that can be connected		1 piece		-
supply voltage		10-30VDC		
Display Range		-From September 1999 to September 1999		
Display resolution		5 μ m/1 μ m/0.5 μ m/0.2 μ m (displayed according to the type of sensor)		
Function consumption		Not exceeding 150mW (without sensors or expansion modules)	Not exceeding 100mW (without sensor connection)	Not exceeding 100mW
response time		50/100/500/1000ms (changed in functional parameter settings)		
Control output (HH/HI/GO/LO/LL)	NPN output	Maximum output 20mA		
control input	Timer, preset, reset, channel input	No voltage input		
Environmental resistance	ambient temperature	-10 to+50 ℃ (no freezing)		

Communication module





Communication module

Main Controller

Sub-controller

Communication module:
- Communication output interface signal: RS232, RS485
- Communication protocol: MODBUS RTU protocol (read RV value, PV value, calculated value; modify serial port baud rate, check stop bit parameters)
- Input signal: DRQ (data request, send all controller RV values)
- Display interface: 6-bit digital tube display (display serial port configuration parameters)
- Key function: communication device address, baud rate, parity stop bit parameters can be modified by key

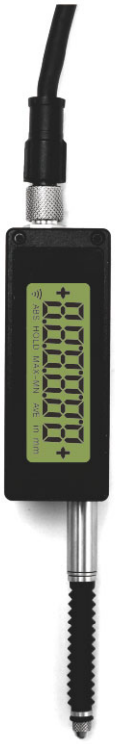
Main Module
- Power supply: DC12~24V
- Output signal: HH, HI, GO, LO, LL 5 kinds of switching signals
- Input signal: PRESET, TIMING, BANK A, BANK B, RESET
- Display interface: 6-digit digital tube display, status indicator
- Key function: tolerance setting (HH, HI, LO, LL tolerance range), preset value, hold value, delayed output, peak hold, valley hold, extreme difference hold, NG hold can be modified by key
- Calculation: maximum value, minimum value, uniformity, average value, reference difference, distortion reading, warpage, thickness
- Number of splices: 1 main module can be connected to 9 sub-modules

Sub-module
- Output signals: HH, HI, GO, LO, LL 5 kinds of switching signals
- Input signal: PRESET, TIMING, BANK A, BANK B, RESET
- Display interface: 6-digit digital tube display, status indicator
- Key function: tolerance setting (HH, HI, LO, LL tolerance range), preset value, hold value, delayed output, peak hold, valley hold, extreme difference hold, NG hold can be modified by key
- Calculation mode: maximum value, minimum value, uniformity, average value, reference difference, distortion reading, warpage, thickness

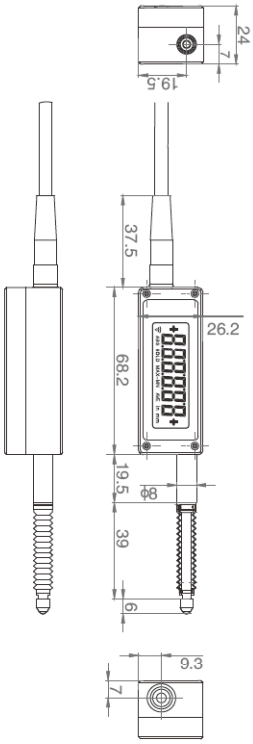
Technical Parameters

Model		XS-71ZN	XS-72ZN	XS-CK
Picture				
Installation type		35mm track installation type		
Main modulecontrol module communication module		Main module	extension module	communication module
Communication interface signal		-	-	RS232/RS485
communication protocol		-	-	Modbus RTU
Scalable quantity		1 main module, expandable up to 9 expansion modules (up to 10 sensors)		1 main module, can expand up to one communication module
Number of sensors that can be connected		1 piece		-
supply voltage		10-30VDC		
Display Range		-From September 1999 to September 1999		
Display resolution		5 μ m/1 μ m/0.5 μ m/0.2 μ m (displayed according to the type of sensor)		
Function consumption		Not exceeding 150mW (without sensors or expansion modules)	Not exceeding 100mW (without sensor connection)	Not exceeding 100mW
response time		50/100/500/1000ms (changed in functional parameter settings)		
Control output (HH/HI/GO/LO/LL)	NPN output	Maximum output 20mA		
control input	Timer, preset, reset, channel input	No voltage input		
Environmental resistance	ambient temperature	-10 to+50 ℃ (no freezing)		

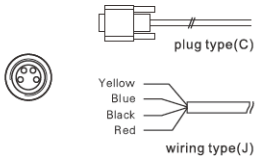
Digital Displacement Sensor



0–12.7mm
(IP65)



0–12.7mm



Technical Data

Model		Range (mm)	Accuracy	Resolution	Working voltage		Data refresh rate
					RS232	RS485	
GSX-5332C	GSX-5332J	0–12.7	≤10μm	5μm	DC 5V	DC 5–24V	50ms
GSX-5302C	GSX-5302J		±2μm	1μm			
GSX-5312C	GSX-5312J		≤2μm	0.5μm			
GSX-5322C	GSX-5322J		≤1.4μm	0.2μm			

Features

- Operating temperature: –10~40℃
- Humidity:≤80% RH
- Airline seat:RS232,RS485
- Absolute measurements (Adopt absolute coded raster)

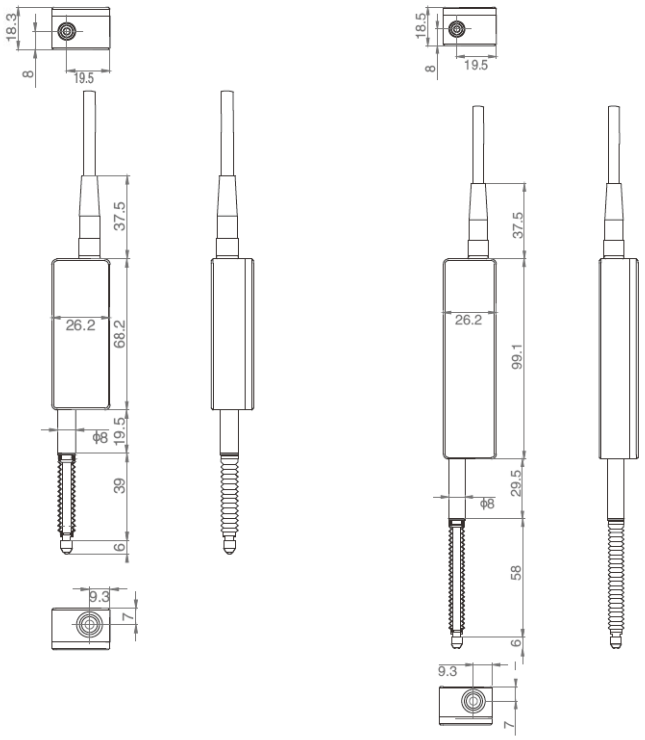
Technical Parameters

Model		0-12.7mm
Picture		
Detecting System		Pair coding, absolute type (no tracking error)
Measuring Range		0-12.7mm
Resolving Power		0.2μm/0.5μm/1μm/5μm
Accuracy		⩽1.4μm/⩽2μm/±2μm/⩽10μm
Response Time		50ms
Working Current		< 50mA
Supply Voltage	RS232	DC5V
	RS485	DC5-24V
Signal Output		RS232/RS485 level signal
Communication Protocol		Modbus RTU protocol
Side Force		1.6-1.8N
Protection Level		IP65
Environmental Temperature For Use		-10 to+50 ℃ (no freezing)
Storage Temperature		-20 to+70 ℃ (without freezing)
Environmental Humidity For Use		35 to 80% (non condensing)
Material Science		Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy
Sensor Head Cable		Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable
Enclosure		Instruction manual/calibration report

Displacement Sensor

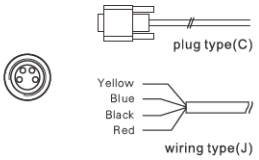
0–12.7mm (IP65)

0–25.4mm (IP65)



0–12.7mm

0–25.4mm



Technical Data

Model		Range (mm)	Accuracy	Resolution	Working voltage		Data refresh rate
					RS232	RS485	
GS-5332C	GS-5332J	0–12.7	⩽10μm	5μm	DC 5V	DC 5–24V	50ms
GS-5302C	GS-5302J		± 2μm	1μm			
GS-5312C	GS-5312J		⩽2μm	0.5μm			
GS-5322C	GS-5322J		⩽1.4μm	0.2μm			
GS-5332C	GS-5332J	0–25.4	⩽10μm	5μm	DC 5–24V		10ms
GS-5302C	GS-5302J		± 3μm	1μm			
GS-5312C	GS-5312J		⩽3μm	0.5μm			
GS-5322C	GS-5322J		⩽1.8μm	0.2μm			

Features

- Operating temperature: –10~40℃
- Humidity:⩽80% RH
- Waterproof:IP65
- Airline seat:RS232,RS485
- Working current:<250mw
- Absolute measurements (Adopt absolute coded raster)
- Detection System: Grating Measurement System, Image Sensor

Technical Parameters

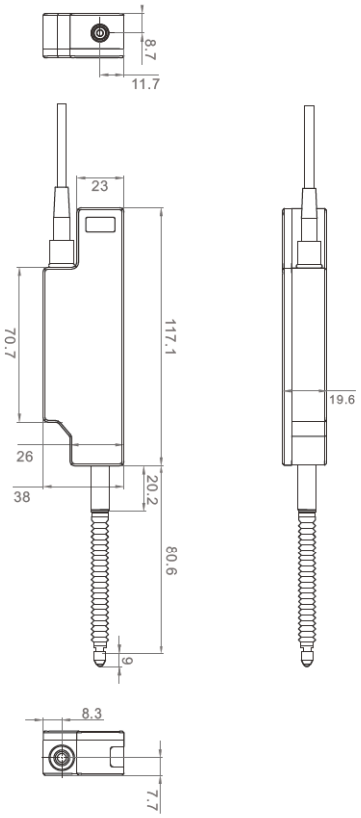
Model		0-12.7mm	0-25.4mm
Picture			
Detecting System		Pair coding, absolute type (no tracking error)	
Measuring Range		0-12.7mm/25.4mm	
Resolving Power		0.2μm/0.5μm/1μm/5μm	
Accuracy		⩽1.4μm/⩽2μm/±2μm/⩽10μm	
Response Time		50ms	10ms
Working Current		< 50mA	
Supply Voltage	RS232	DC5V	DC5-24V
	RS485	DC5-24V	
Signal Output		RS232/RS485 level signal	
Communication Protocol		Modbus RTU protocol	
Side Force		1.6-1.8N	2.3-2.7N
Protection Level		IP65	
Environmental Temperature For Use		-10 to+50 ℃ (no freezing)	
Storage Temperature		-20 to+70 ℃ (without freezing)	
Environmental Humidity For Use		35 to 80% (non condensing)	
Material Science		Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy	
Sensor Head Cable		Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable	
Enclosure		Instruction manual/calibration report	

Displacement Sensor

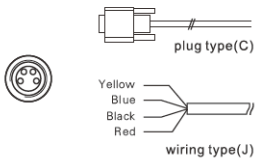
Reverse Side

Front

0-32mm
(IP65)



0-32mm(IP65)



Technical Data

Model		Range (mm)	Accuracy	Resolution	Working voltage		Data refresh rate
					RS232	RS485	
GS-5332C	GS-5332J	0-32	≤10μm	5μm	DC 5-24V		10ms
GS-5302C	GS-5302J		±3μm	1μm			
GS-5312C	GS-5312J		≤3μm	0.5μm			
GS-5322C	GS-5322J		≤1.8μm	0.2μm			

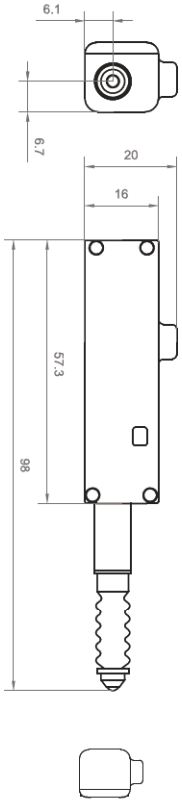
Features

- Operating temperature: -10~40℃
- Humidity:≤80% RH
- Waterproof:IP65
- Airline seat:RS232,RS485
- Working current:<250mw
- Absolute measurements (Adopt absolute coded raster)
- Detection System: Grating Measurement System, Image Sensor

Technical Parameters

Model	0-32mm
Picture	
Detecting System	Pair coding, absolute type (no tracking error)
Measuring Range	0-32mm
Resolving Power	0.2μm/0.5μm/1μm/5μm
Accuracy	⩽1.8μm/⩽3μm/±3μm/⩽10μm
Response Time	10ms
Working Current	< 50mA
Supply Voltage RS232 / RS485	DC5-24V
Signal Output	RS232/RS485 level signal
Communication Protocol	Modbus RTU protocol
Side Force	2.2-2.5N
Protection Level	IP65
Environmental Temperature For Use	-10 to+50 ℃ (no freezing)
Storage Temperature	-20 to+70 ℃ (without freezing)
Environmental Humidity For Use	35 to 80% (non condensing)
Material Science	Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy
Sensor Head Cable	Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable
Enclosure	Instruction manual/calibration report

Displacement Sensor



GS-5357/5358
(IP67)

Technical Data

Model	Range (mm)	Accuracy	Resolution	Repeatability Accuracy	Working Voltage		Data update speed
					RS232	RS485	
GS-5357	0-10	±2μm	0.5μm	1μm	DC 5-24V		10ms
GS-5358		≤1.4μm	0.1μm	0.2μm			

Features

- Operating temperature: -10 to+50 ℃ (no freezing)
- Storage Temperature: -20 to+70 ℃ (without freezing)
- Absolute measurements (Adopt absolute coded raster)
- Detection System: Grating Measurement System, Image Sensor
- Sensor Head Cable: Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable

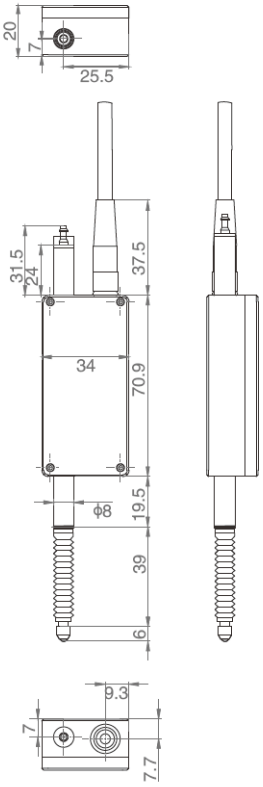
Technical Parameters

Model	0-5mm/0-10mm
Picture	
Detecting System	Pair coding, absolute type (no tracking error)
Measuring Range	0-10mm
Response Time	10ms
Working power	<250mw
Working Voltage	5~24VDC
Signal Output	RS232 / RS485 level signal
Communication Protocol	Modbus RTU protocol
Side Force	0.7-0.9N
Protection Level	Ip67
Environmental Temperature For Use	-10 to+50 ℃ (no freezing)
Storage Temperature	-20 to+70 ℃ (without freezing)
Environmental Humidity For Use	35 to 80% (non condensing)
Material Science	Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy
Sensor Head Cable	Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable
Enclosure	Instruction manual/calibration report

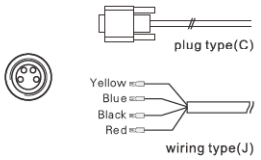
Displacement Sensor (Pneumatic)

B

0-12.7mm
(IP65)



0-12.7mm(IP65)



Technical Data

Model		Range (mm)	Accuracy	Resolution	Working voltage		Data refresh rate
					RS232	RS485	
GSQ-5332C	GSQ-5332J	0-12.7	≤10μm	5μm	DC 5V	DC 5-24V	50ms
GSQ-5302C	GSQ-5302J		±2μm	1μm			
GSQ-5312C	GSQ-5312J		≤2μm	0.5μm			
GSQ-5322C	GSQ-5322J		≤1.4μm	0.2μm			

Features

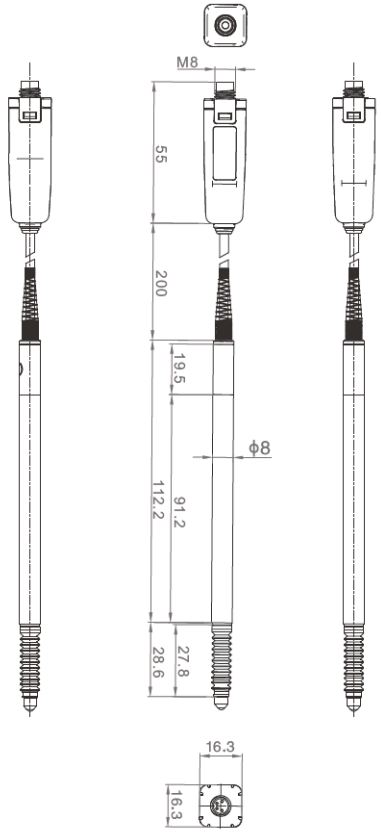
- Operating temperature: -10~40℃
- Humidity:≤80% RH
- Airline seat:RS232,RS485
- Air pressure: 0.16-0.2MP
- Pneumatic parameters: ϕ4 trachear
- Absolute measurements (Adopt absolute coded raster)

Technical Parameters

Model		0-12.7mm
Picture		
Detecting System		Pair coding, absolute type (no tracking error)
Measuring Range		0-12.7mm
Resolving Power		0.2μm/0.5μm/1μm/5μm
Accuracy		≤1.4μm/≤2μm/±2μm/≤10μm
Response Time		50ms
Working Current		< 50mA
Supply Voltage	RS232	DC5V
	RS485	DC5-24V
Signal Output		RS232/RS485 level signal
Communication Protocol		Modbus RTU protocol
Side Force		2.6-2.8N
Protection Level		IP65
Environmental Temperature For Use		-10 to+50 ℃ (no freezing)
Storage Temperature		-20 to+70 ℃ (without freezing)
Environmental Humidity For Use		35 to 80% (non condensing)
Material Science		Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy
Sensor Head Cable		Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable
Pressure		0.16-0.2MPA
Enclosure		Instruction manual/calibration report

Raster pen-type displacement sensor

GS-5352
(IP65)



Technical Data

Model	Range (mm)	Accuracy	Resolution	Repeatability Accuracy	Working Voltage		Data update speed
					RS232	RS485	
GS-5352	0-5	±2μm	0.5μm	1μm	DC 5-24V		10ms
GS-5352		≤1.4μm	0.1μm	0.2μm			
GS-5352	0-10	±2μm	0.5μm	1μm			
GS-5352		≤1.4μm	0.1μm	0.2μm			

Features

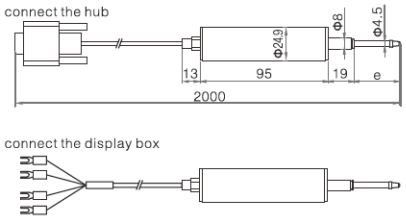
- Operating temperature: -10 to+50 ℃ (no freezing)
- Storage Temperature: -20 to+70 ℃ (without freezing)
- Absolute measurements (Adopt absolute coded raster)
- Detection System: Grating Measurement System, Image Sensor
- Sensor Head Cable: Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable

Technical Parameters

Model	0-5mm/0-10mm
Picture	
Detecting System	Pair coding, absolute type (no tracking error)
Measuring Range	0-5mm/0-10mm
Response Time	10ms
Working power	<250mw
Working Voltage	5~24VDC
Signal Output	RS232 / RS485 level signal
Communication Protocol	Modbus RTU protocol
Side Force	0.7-0.9N
Protection Level	IP65
Environmental Temperature For Use	-10 to+50 ℃ (no freezing)
Storage Temperature	-20 to+70 ℃ (without freezing)
Environmental Humidity For Use	35 to 80% (non condensing)
Material Science	Main body: aluminum alloy, dust cover, fluororubber, measuring head, hard alloy
Sensor Head Cable	Aviation mother to serial data cable, aviation mother to lead data cable, aviation mother to aviation mother data cable
Weight	About 49.4g
Enclosure	Instruction manual/calibration report

Linear Micrometer

5308-10



Technical Data

Model	Range (mm)	Accuracy	Resolution	e (mm)
5308-10	0-12.7	20μm	10μm	21.8
5308-25	0-25.4	20μm	10μm	34.5

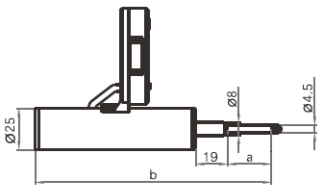
Features

- Data output format: ModBus standard protocol, RTU mode
- Data transmission method: full duplex transmission
- Device address: 01H
- Data start bit: 1 digit
- Data length: 8 digits
- Data stop bit: 2 digits
- Parity bit: None
- Baud rate: 38400bps
- Repeat error: 10μm
- Port: DB9 pin / Four core outlet (RS232 signal)
- Battery: 5V

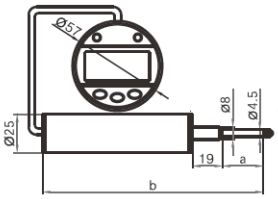
Vertical Digital Indicator / Remote Digital Indicator

5307C

5307F



5307C



5307F

Technical Data

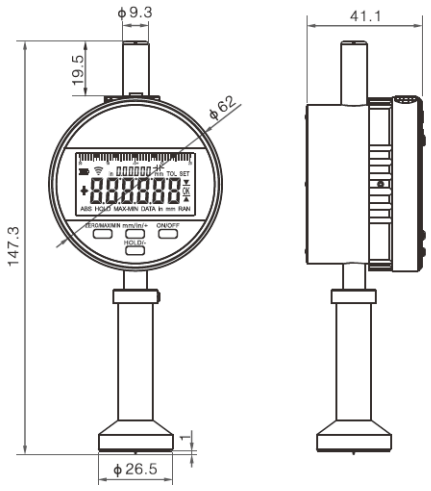
Model	Range (mm)	Accuracy (mm)	Resolution (mm/inch)	a (mm)	b (mm)
5307C-10	0-10	±0.03	0.01/0.0005″	13.5	127.5
5307C-25	0-25	±0.03	0.01/0.0005″	26	140
5307F-10	0-10	±0.03	0.01/0.0005″	13.5	127.5
5307F-25	0-25	±0.03	0.01/0.0005″	26	140

Features

- Battery: 3V CR2032 environmental lithium battery
- Buttons: on/off, zero, mm/inch conversion
- Storage temperature: -10°C ~ 60°C
- Operating temperature: 0°C ~ 40°C
- Low voltage alarm function
- Magnets and hooks on the back of the LCD display

Grating digital roughness meter

GS5337(IP54)



0-6.5mm

Technical Data

Model	Range (mm)	Accuracy	Resolution	waterproof
GS-5337	0-6.5	±3μm	1μm	IP54

Features

- ON/OFF key: Press this button to start or shut down the machine;
- MM/N key: Short press this key to convert metric or English units;
- Power supply mode:3.7V lithium battery
- Charging/communication interface:USB Type-C
- Waterproof:IP54

Grating micro-altimeter

GS-5353

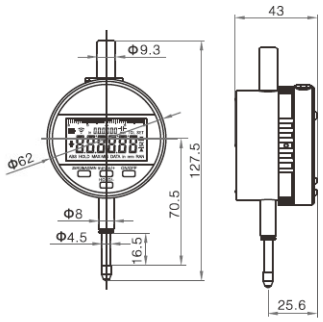
Digital Indicator RS232(With 4 Buttons)

0-12.7mm
(IP54)

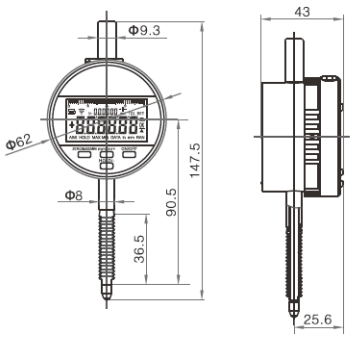
0-12.7mm
(IP65)

0-25.4mm
(IP54)

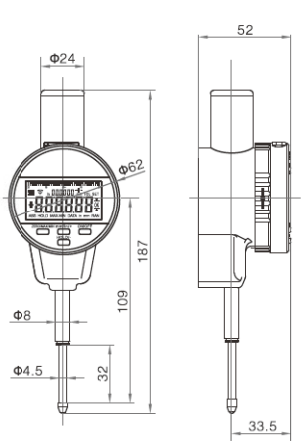
0-50.8mm
(IP54)



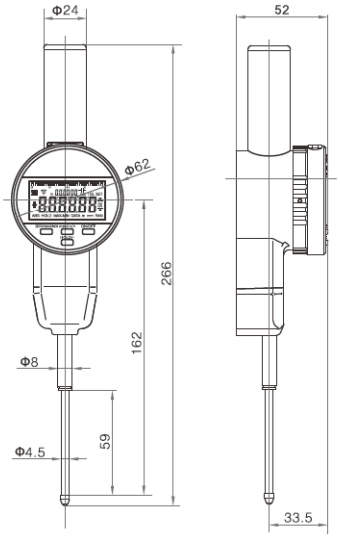
0-12.7mm(IP54)



0-12.7mm(IP65)



0-25.4mm(IP54)



0-50.8mm(IP54)

Technical Data

Model		Range (mm)	Accuracy	Resolution	waterproof
GS-5331	GS-F5331	0-12.7	≤10μm	5μm	IP54/IP65
GS-5301	GS-F5301		±3μm	1μm	IP54/IP65
GS-5311	GS-F5311		≤3μm	0.5μm	IP54/IP65
GS-5321	GS-F5321		≤1.6μm	0.2μm	IP54/IP65
GS-5331		0-25.4	≤10μm	5μm	IP54
GS-5301			±3μm	1μm	IP54
GS-5311			≤3μm	0.5μm	IP54
GS-5321			≤2μm	0.2μm	IP54
GS-5331		0-50.8	≤10μm	5μm	IP54
GS-5301			±3μm	1μm	IP54
GS-5311			≤3μm	0.5μm	IP54

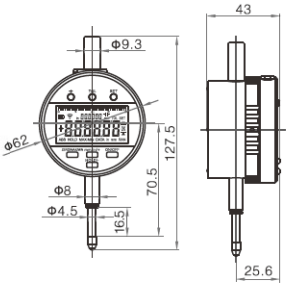
Features

- Buttons: on/off, zero, mm/inch, data hold, max/min
- Operating temperature: -10 ~ 40°C
- Humidity: ≤ 80% RH
- Battery: 3.7V lithium battery (Rechargeable Battery)
- Analog pointer
- Absolute measurements (Adopt absolute coded raster)
- Data output (Standard data cable)
- Waterproof: IP54/IP65 (optional)
- It can be set automatic shut when there´ s no operation in 1-99 minutes.

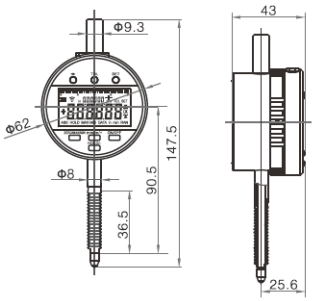
Digital Indicator RS232(With 7 Buttons)

0-12.7mm
(IP54)

0-12.7mm
(IP65)



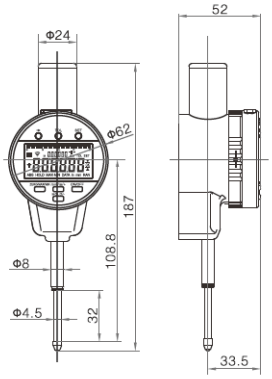
0–12.7mm(IP54)



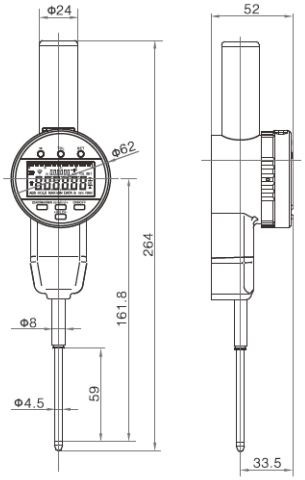
0–12.7mm(IP65)

0-25.4mm
(IP54)

0-50.8mm
(IP54)



0–25.4mm (IP54)



0–50.8mm (IP54)

Technical Data

Model		Range (mm)	Accuracy	Resolution	waterproof
GS–5331	GS–F5331	0–12.7	≤10μm	5μm	IP54/IP65
GS–5301	GS–F5301		±3 μm	1μm	IP54/IP65
GS–5311	GS–F5311		≤3 μm	0.5μm	IP54/IP65
GS–5321	GS–F5321		≤1.6μm	0.2μm	IP54/IP65
GS–5331		0–25.4	≤10μm	5μm	IP54
GS–5301			±3 μm	1μm	IP54
GS–5311			≤3 μm	0.5μm	IP54
GS–5321			≤2 μm	0.2μm	IP54
GS–5331		0–50.8	≤10μm	5μm	IP54
GS–5301			±3 μm	1μm	IP54
GS–5311			≤3 μm	0.5μm	IP54

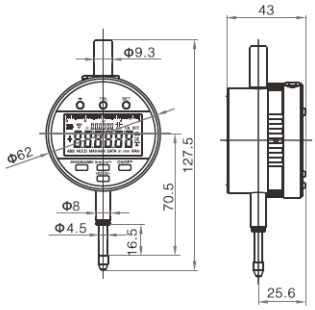
Features

- Buttons: on/off, zero, mm/inch, data hold, max/min
- Operating temperature: –10 ~ 40°C
- Humidity: ≤ 80% RH
- Battery: 3.7V lithium battery (Rechargeable Battery)
- Analog pointer
- Absolute measurements (Adopt absolute coded raster)
- Data output (Standard data cable)
- Waterproof: IP54/IP65 (optional)
- It can be set automatic shut when there´ s no operation in 1–99 minutes.

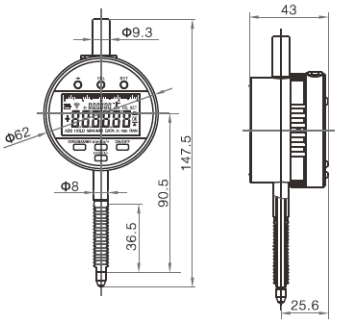
Digital Indicator Ⅱ EXCEL(With 7 Buttons)

0-12.7mm(IP54)

0-12.7mm(IP65)

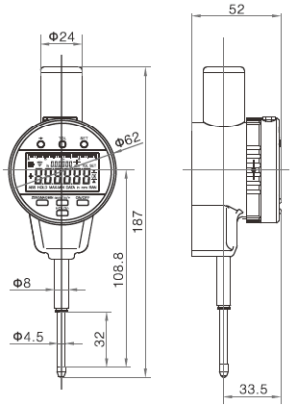


0-12.7mm(IP54)

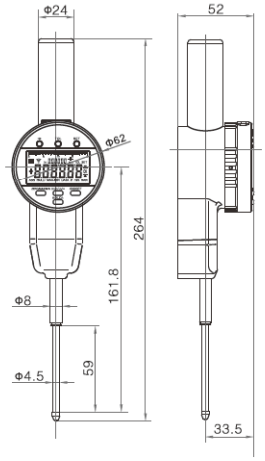


0-12.7mm(IP65)

0-25.4mm(IP54) 0-50.8mm(IP54)



0-25.4mm(IP54)



0-50.8mm(IP54)

Technical Data

Model		Range (mm)	Accuracy	Resolution	waterproof
GS-5331	GS-F5331	0-12.7	≤10μm	5μm	IP54/IP65
GS-5301	GS-F5301		±3μm	1μm	IP54/IP65
GS-5311	GS-F5311		≤3μm	0.5μm	IP54/IP65
GS-5321	GS-F5321		≤1.6μm	0.2μm	IP54/IP65
GS-5331		0-25.4	≤10μm	5μm	IP54
GS-5301			±3μm	1μm	IP54
GS-5311			≤3μm	0.5μm	IP54
GS-5321			≤2μm	0.2μm	IP54
GS-5331		0-50.8	≤10μm	5μm	IP54
GS-5301			±3μm	1μm	IP54
GS-5311			≤3μm	0.5μm	IP54

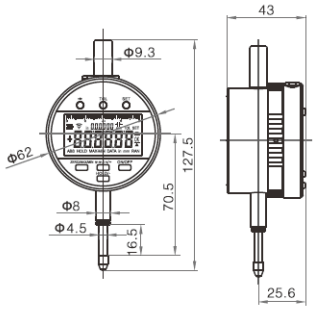
Features

- Buttons: on/off, zero, mm/inch, data hold, max/min
- Operating temperature: -10 ~ 40°C
- Humidity: ≤ 80% RH
- Battery: 3.7V lithium battery (Rechargeable Battery)
- Analog pointer
- Absolute measurements (Adopt absolute coded raster)
- Data output (Standard data cable)
- Waterproof: IP54/IP65 (optional)
- It can be set automatic shut when there´ s no operation in 1-99 minutes.

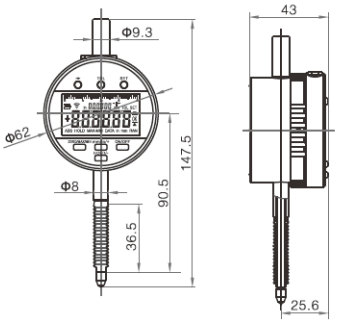
Wireless Digital Indicator Ⅱ EXCEL(With 7 Buttons)

0-12.7mm(IP54)

0-12.7mm(IP65)



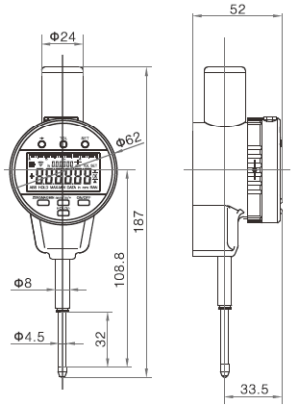
0-12.7mm(IP54)



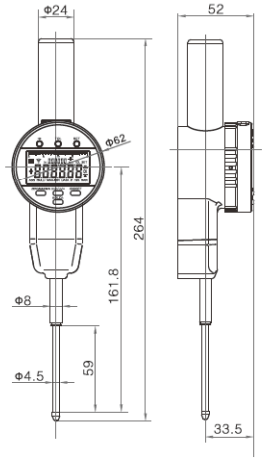
0-12.7mm(IP65)

0-25.4mm(IP54)

0-50.8mm(IP54)



0-25.4mm(IP54)



0-50.8mm(IP54)

Technical Data

Model		Range (mm)	Accuracy	Resolution	waterproof
GSL-5331	GSL-F5331	0-12.7	≤10μm	5μm	IP54/IP65
GSL-5301	GSL-F5301		±3μm	1μm	IP54/IP65
GSL-5311	GSL-F5311		≤3μm	0.5μm	IP54/IP65
GSL-5321	GSL-F5321		≤1.6μm	0.2μm	IP54/IP65
GSL-5331		0-25.4	≤10μm	5μm	IP54
GSL-5301			±3μm	1μm	IP54
GSL-5311			≤3μm	0.5μm	IP54
GSL-5321			≤2μm	0.2μm	IP54
GSL-5331		0-50.8	≤10μm	5μm	IP54
GSL-5301			±3μm	1μm	IP54
GSL-5311			≤3μm	0.5μm	IP54

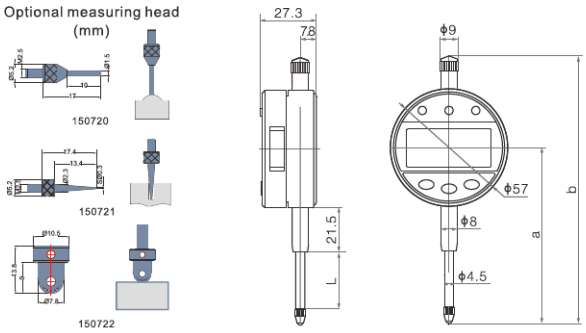
Features

- Buttons: on/off, zero, mm/inch, data hold, max/min
- Operating temperature: -10 ~ 40°C
- Humidity: ≤ 80% RH
- Battery: 3.7V lithium battery (Rechargeable Battery)
- Analog pointer
- Absolute measurements (Adopt absolute coded raster)
- Data output (Standard data cable)
- Waterproof: IP54/IP65 (optional)
- It can be set automatic shut when there´ s no operation in 1-99 minutes.

Digital Indicator

5307-10

5307A-25



Technical Data

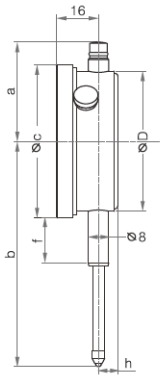
Model	Range (mm)	Accuracy (mm)	Resolution (mm/inch)	Magnets Force(N)	a (mm)	b (mm)	L (mm)
5307-10	0-12.7	±0.03	0.01/0.0005″	≤2.2	72.5	117	14.5
5307-25	0-25.4	±0.03	0.01/0.0005″	≤2.2	85.5	130	27.5
5307A-10	0-12.7	±0.03	0.01/0.0005″	≤2.2	72.5	117	14.5
5307A-25	0-25.4	±0.03	0.01/0.0005″	≤2.2	85.5	130	27.5

Features

- Measure tolerance of form and position
- Operating temperature: 0°C~ 40°C
- Humidity: ≤ 85% RH
- Battery: 3V CR2032 environmental lithium battery
- Buttons: on/off, zero, mm/inch conversion, counting direction switch
- LCD display
- Low voltage alarm function
- Set the upper and lower tolerance function

Dial Indicator

5301-10



Technical Data

Model	Range (mm)	Accuracy (mm)	Resolution (mm/inch)	a (mm)	b (mm)	øc (mm)	ØD (mm)	f (mm)	h (mm)
5301-5	0-5	±0.018	0.01/0.0005″	46	69.5	60	55	17.5	8
5301-10	0-10	±0.02	0.01/0.0005″	46	69.5	60	55	17.5	8
5301-20	0-20	±0.03	0.01/0.0005″	38.5	86	60	55	17.5	8
5301-30	0-30	±0.03	0.01/0.0005″	38.5	87.5	60	55	17.5	8
5301-50	0-50	±0.04	0.01/0.0005″	46.5	131	76	71	32	9.5

Features

- Material: Special wear-resistant stainless steel and hard alloy
- Anti-stick construction
- With lock screw