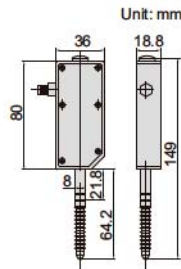


LINEAR GAGE
IP65
WATERPROOF



linear gage

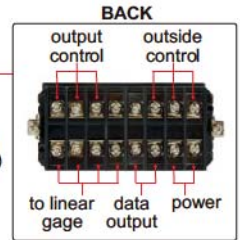


alarm
(out of tolerance)

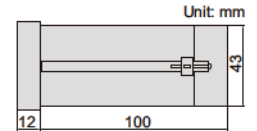
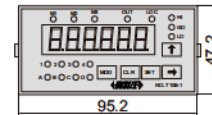


display unit
7106-1

red light (out of upper limit)
green light (within tolerance)
red light (out of lower limit)



- Linear gage: shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Display unit: set tolerance and make judgment (out of upper limit, within tolerance, out of lower limit), output the judgment to control outside devices, set zero and hold reading from outside

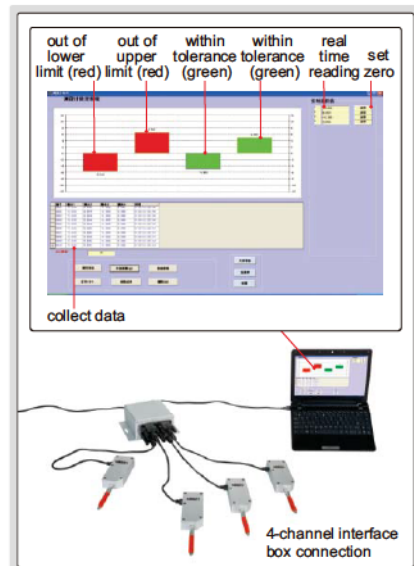


LINEAR GAGE SPECIFICATION

Code	7106-11	7106-12
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20μm	5μm
Hysteresis	10μm	2μm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	four-core wire	

DISPLAY UNIT SPECIFICATION

Code	7106-1
Display	6 digits
Quantity of linear gages to be connected	1pc
Tolerance	set tolerance and make judgment with alarm and lights (out of upper limit, within tolerance, out of lower limit)
Output control	output the tolerance judgment (out of upper tolerance, within tolerance, out of lower tolerance) to control outside devices
Outside control	control the display units from outside (set zero, hold reading)
Data output	connect to PC
Power supply	DC 9~24V

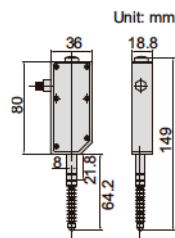


INTERFACE BOX SPECIFICATION

Code	7107-1	7107-2
Quantity of linear gages to be connected	4pcs	8pcs
Data port	RS232 and RS485	
Power supply	DC 9~24V	



linear gage



- Software is supplied with interface boxes. In the software, it is possible to set tolerance of each channel and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report

MULTI LINEAR GAGE SYSTEM

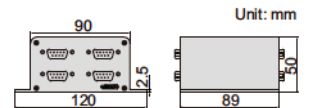
LINEAR GAGE
IP65
WATERPROOF



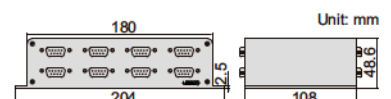
software CD (included)



4-channel interface box
7107-1



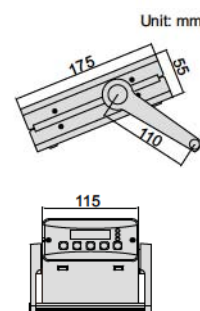
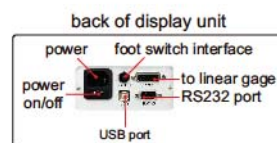
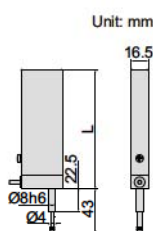
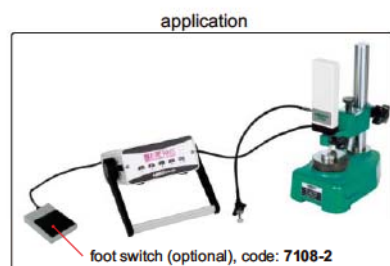
8-channel interface box
7107-2



LINEAR GAGE SPECIFICATION

Code	7107-11	7107-12
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20μm	5μm
Hysteresis	10μm	2μm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	RS232	

HIGH PRECISION LINEAR GAGES AND DISPLAY UNIT

INSIZE^{PLUS}
 MADE IN GERMANY


LINEAR GAGE SPECIFICATION

Code	7108-10	7108-30
Measuring range	10mm	30mm
Resolution	0.01μm	
Accuracy	(0.5+L/60)μm, L is measuring length in mm	
Dust/waterproof	IP50	
Output signal	1Vss	
Grating pitch	8μm	
Measuring force	0.7~1.6N	
Cable length	1.5m	
Linear gage length (L)	113.5mm	133.5mm

DISPLAY UNIT SPECIFICATION

Code	7108-1
Display	8 digits
Character height	9mm
Quantity of linear gages to be connected	single channel, to connect one linear gage *
Dust/waterproof	IP20
Display unit	mm, inch, grad
Resolution	1μm, 0.1μm, 0.01μm
Data output	USB, RS232
Power supply	AC 85~264V, 150mA

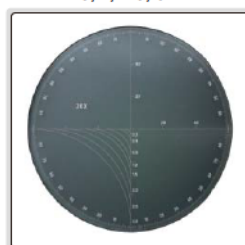
* Double channel display is optional

- Linear gage:
 - Incremental glass scale sensor, with built-in roller bearing, high precision
 - With lifting lever, for quick measurement
- Display unit:
 - Set zero or output data through foot switch (optional)
 - Measuring direction can be changed
 - The reading can be preset
 - Can make accuracy compensation

TOOL PRESETTER
CODE ISP-TP300

- Projection screen
- Measure radius, angle, height and squareness
- 99 presetting data can be saved and selected quickly

projection screen Ø120mm with scale
(protractor with 1° graduation,
radius with 0.2, 0.4, 0.8, 1.2,
1.5, 2, 2.5, 3mm)

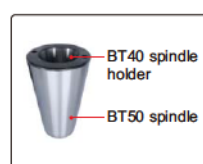


SPECIFICATION

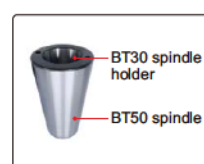
Maximum tool diameter (X axis)	Ø300mm	
Height measuring range (Z axis)	45~450mm	
Accuracy	X axis	±6μm
	Z axis	±13μm
Resolution	0.5μm	
Diameter of projection screen	Ø120mm	
Lens	magnification	20X
	view field	Ø6mm
Illumination	24V/20W halogen lamp	
Spindle holder	BT50	
Air source pressure	0.6MPa	
Dimension (L×W×H)	690×620×922mm	
Weight	160kg	

STANDARD DELIVERY

Main unit	1pc
BT50 spindle holder	1pc
Standard rod	1pc
Foot-switch	1pc
Anti-dust cover	1pc



BT50/BT40 converter (optional)



BT50/BT30 converter (optional)



standard rod (included)

OPTIONAL ACCESSORY

BT50/BT30 converter	ISP-TP300-C1
BT50/BT40 converter	ISP-TP300-C2