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7131
Linear gage and Display unit
Manual



产品介绍

Linear gage:

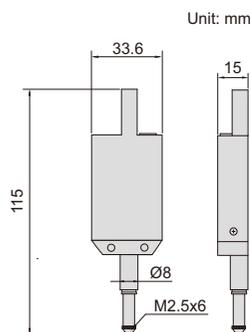
- Linear gage type: optical grating

Display unit:

- Display displacement data in real time, data preset, set tolerance and make judgment(out of upper tolerance, within tolerance, out of lower tolerance), set zero, change measuring direction, unit switch(μm/mm/inch),
- Two data transmission methods: can output keyboard signal and data can be transmitted to excel, word, txt etc, can also output serial signal and transmit data to serial communication software



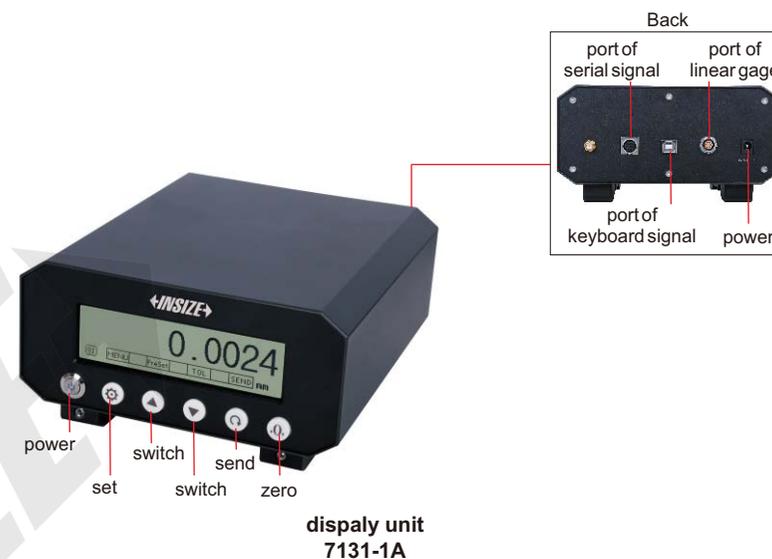
linear gage
7131-01



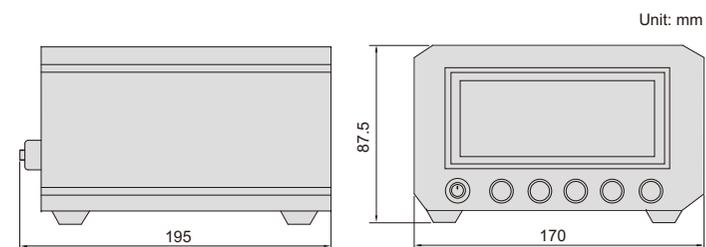
Unit: mm

LINEAR GAGE SPECIFICATION

Code	7131-01
Range	12.5mm
Resolution	0.1μm
Accuracy(19~20°C)	1μm
Repeatability	0.2μm
Linear gage type	optical grating
Working life	ten million times
Dust/waterproof	IP50
Measuring force	0.7±0.2N
Cable length	900mm
Operation environment	0~40°C, 20~80%RH
Power supply	5~24V
Dimension(L×W×H)	33.6×15×115mm
Weight	133g



display unit
7131-1A



Unit: mm

DISPLAY UNIT SPECIFICATION

Code	7131-1A
Display	4" LCD screen
Unit	μm, mm, inch
Quantity of linear gage to be connected	1 pc
Dimension(L×W×H)	170×195×87.5mm
Weight	1.45kg



Use of display unit

■ Main interface



■ Key description

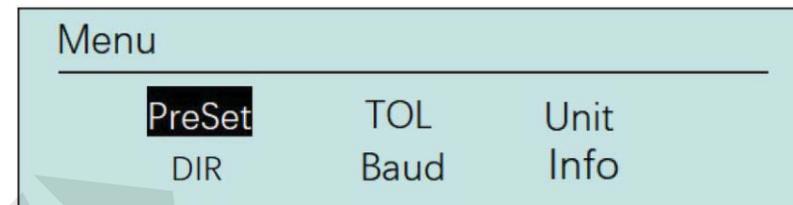
- Power key Press to switch the power on and off
- Menu/OK key Enter the menu setting, which is used to select or confirm the setting items
- Mode/Up key Switch preset mode, move up or increase the value
- Mode/Down key Switch tolerance mode, move down or decrease the value
- Switch/send key The main interface is used for sending values and cursor shift in the menu interface
- Clear/Return key Used to return or exit when the value is cleared and the menu is set

■ Description of main interface icon

USB Sign

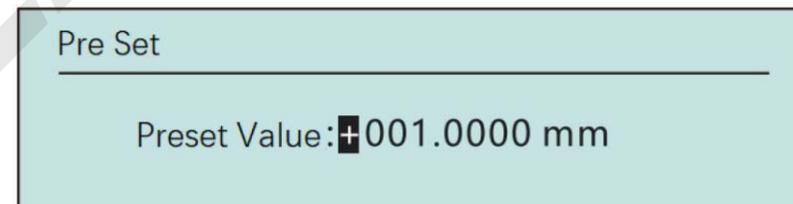
The USB appears after the USB insertion mark device is successfully connected to the USB of the computer. After the connection is successful, press the send key in the main interface, can simulate USB-HID keyboard to output the current displacement display value.

■ Menu interface description



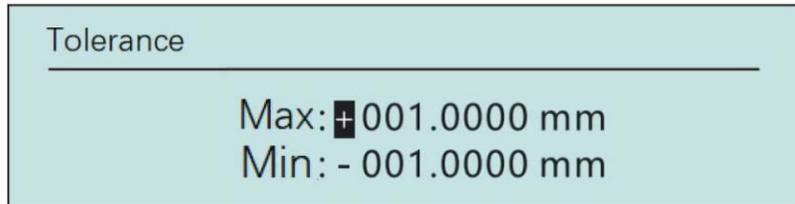
The menu interface includes 6 submenus, namely preset mode setting, tolerance mode setting, unit setting, grating counting direction setting, RS232 serial port baud rate setting and information interface

■ Description of preset mode interface



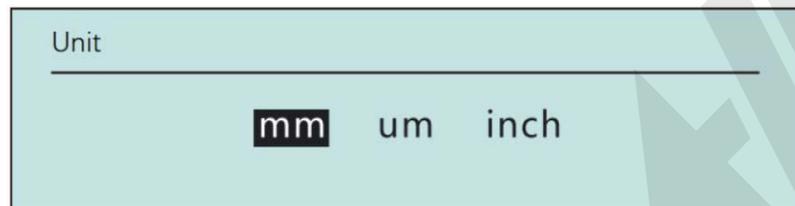
- Ok key Press to save the current preset value
- Up key Change the current +/- sign and increase the current cursor value
- Down key Change the current +/- sign and decrease the current cursor value
- Switch key Cursor shift
- Return key Exit the setting and return to the previous menu.

■ Description of tolerance mode interface



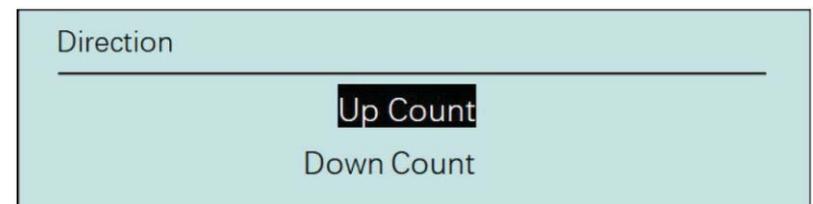
-  Ok key Press to save the upper and lower limits of the current tolerance mode.
-  Up key Change the current +/- sign and increase the current cursor value.
-  Down key Change the current +/- sign and decrease the current cursor value.
-  Switch key Cursor shift
-  Return key Exit the setting and return to the previous menu.

■ Description of unit interface



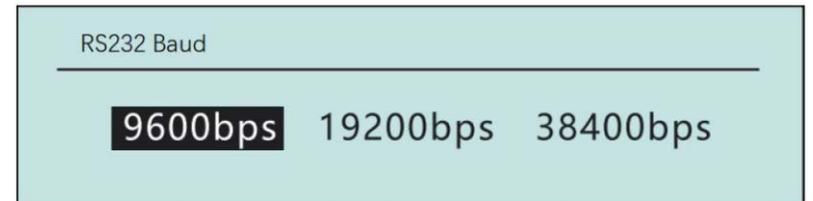
-  Ok key Press to select the current unit.
-  Up/down key Cursor shift
-  Switch key No-operation
-  Return key Exit unit setting and return to the menu at the next higher level.

■ Description of the interface for setting the grating counting direction



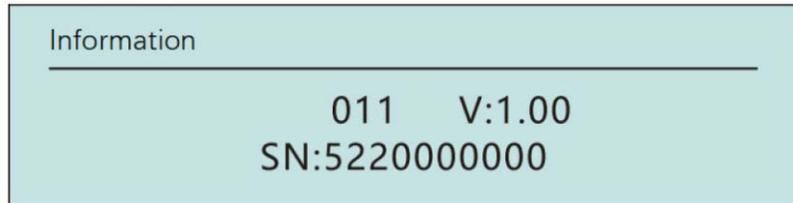
-  Ok key Press to select the current counting mode.
-  Up/down key Cursor shift
-  Switch key No-operation
-  Return key Exit the setting and return to the previous menu.

■ Interface description of baud rate setting of RS232 serial port



-  Ok key Press to save the current baud rate of RS232 serial port.
-  Up/down key Cursor shift
-  Switch key No-operation
-  Return key Exit the setting and return to the previous menu.

■ Information interface description



The information interface contains the version number and serial number of the equipment. In this interface,

you can Long press  01 or 011 can change the resolution 1 μ m/0.1 μ m

Long press  to switch between Chinese and English display