

## CAPACITANCE LINEAR GAUGES (ABSOLUTE TYPE)

**IP67**  
WATERPROOF



7181-42



7181-42V

- Absolute encoder, the original data remains after power off
- Shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Can be connected to display unit, or directly connected to computer or PLC

### CAPACITANCE LINEAR GAUGE SPECIFICATION

Code	7181-41	7181-42	7181-41V	7181-42V
Measuring range	10mm			
Resolution	0.01mm	0.001mm	0.01mm	0.001mm
Accuracy	20μm	3μm	20μm	3μm
Hysteresis	10μm	2μm	10μm	2μm
Driving type	spring		pneumatic	
Measuring force	1.2N		adjusted by air pressure	
Measuring principle	capacitance type linear encoder			
Voltage	5~24V			
Sampling frequency	100 times/sec			
Working life	ten million times			
Dust/waterproof	IP67			
Cable length	2m (can be customized)			
Data output	RS485			
Dimension (L×W×H)	143×32×15mm			
Weight	160g			

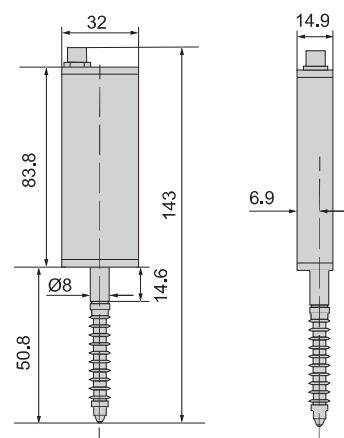
### OPTIONAL ACCESSORY

Display unit	7181-4A
Series port	7181-PORT *
Port cable	7181-P-CABLE **

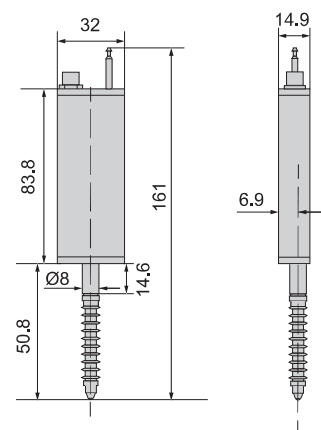
\* 1 port, with each end of the cable 30mm in length, customized according to customer requirements

\*\* cable length: 30mm, customized according to customer requirements

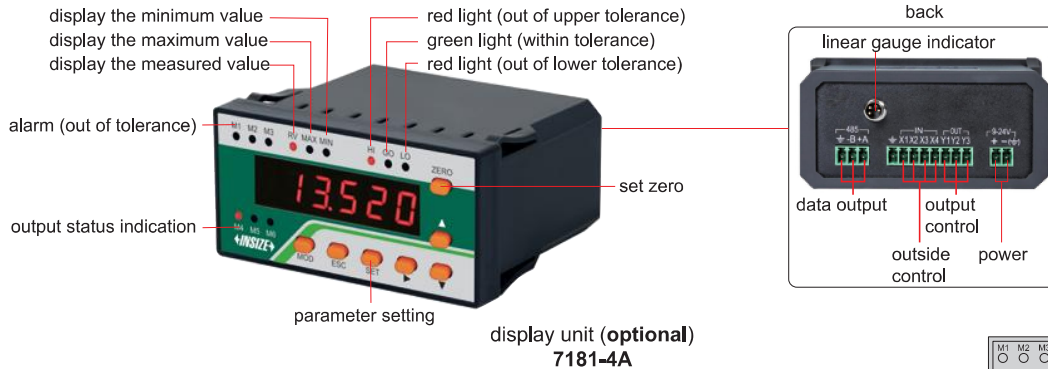
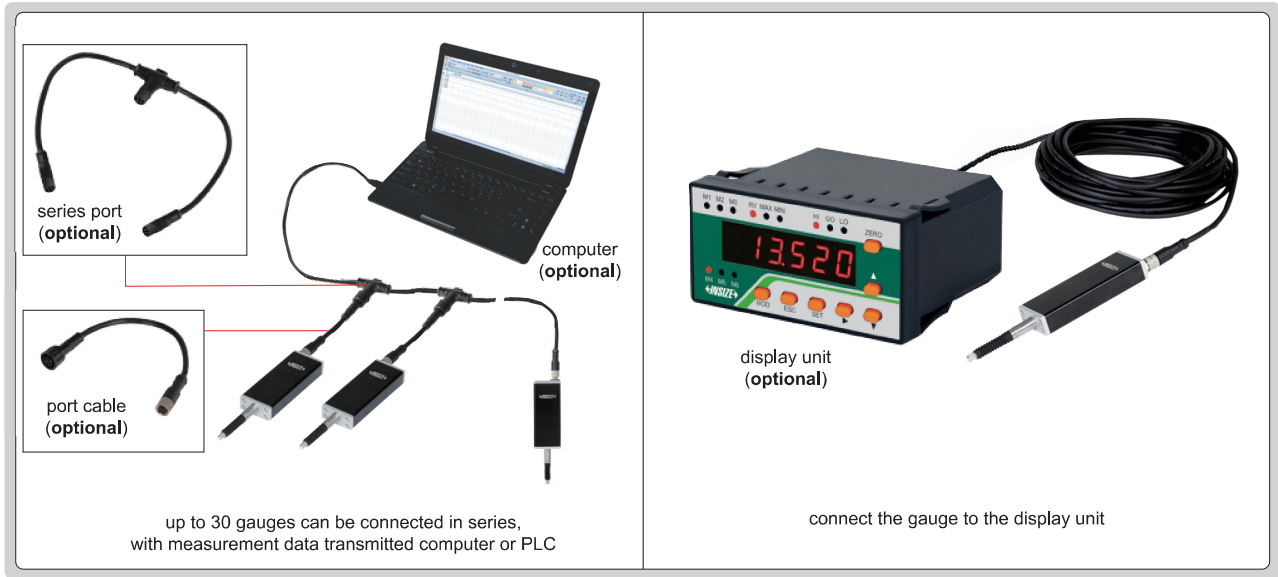
unit: mm



7181-42

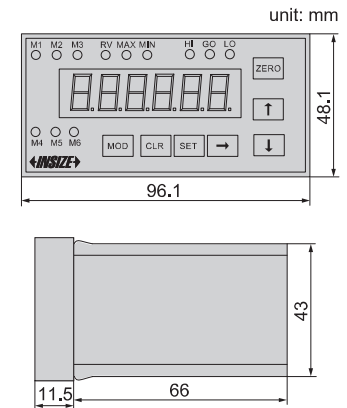


7181-42V



#### DISPLAY UNIT SPECIFICATION (OPTIONAL)

Code	7181-4A
Display	6 digits
Quantity of linear gauge to be connected	1 pc
Tolerance	set tolerance and make judgment with alarm and lights (out of upper tolerance, within tolerance, out of lower tolerance)
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 and collect data)
Data output	connect to computer software and serial communication
Power supply	DC 9~24V



#### display unit computer software (included)

