

DIGITAL LINEAR GAUGES

DUSTPROOF
WATERPROOF

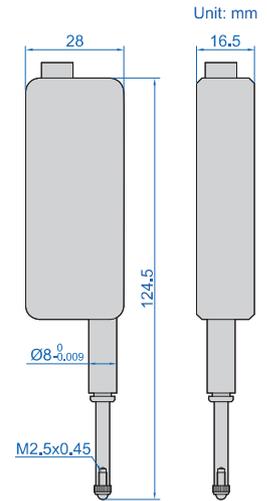
ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF



7130-10



7130-10L



- Scale type: optical grating
- Absolute encoder, the original data remains after power off
- Digital signal output, amplifier is not required
- Measuring force: $\leq 1.5\text{N}$
- Dust/waterproof: IP43/IP66
- Baud rate: 9600 (can be customized)
- Cable length: 3m (can be customized)

Dust/waterproof IP43, resolution 0.1 μm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7130-10*	0-12.5mm	0.5 μm	1 μm	horizontal	RS232, TTL level	
7130-10L*	0-12.5mm	0.5 μm	1 μm	vertical	RS232, TTL level	
7130-11	0-12.5mm	0.5 μm	1 μm	horizontal	RS232, 232 level	
7130-11L	0-12.5mm	0.5 μm	1 μm	vertical	RS232, 232 level	
7130-12	0-12.5mm	0.5 μm	1 μm	horizontal	RS485 (VCC+5~12V)	
7130-12L	0-12.5mm	0.5 μm	1 μm	vertical	RS485 (VCC+5~12V)	
7130-13*	0-12.5mm	0.5 μm	1 μm	horizontal	RS232, TTL level	
7130-13L*	0-12.5mm	0.5 μm	1 μm	vertical	RS232, TTL level	
7130-14	0-12.5mm	0.5 μm	1 μm	horizontal	RS232, 232 level	
7130-14L	0-12.5mm	0.5 μm	1 μm	vertical	RS232, 232 level	

* optional data output cable 7302-7130 or wireless transmitter 7315-7130

Dust/waterproof IP43, resolution 0.5 μm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7130-20*	0-12.5mm	1.5 μm	3 μm	horizontal	RS232, TTL level	
7130-20L*	0-12.5mm	1.5 μm	3 μm	vertical	RS232, TTL level	
7130-21	0-12.5mm	1.5 μm	3 μm	horizontal	RS232, 232 level	
7130-21L	0-12.5mm	1.5 μm	3 μm	vertical	RS232, 232 level	
7130-22	0-12.5mm	1.5 μm	3 μm	horizontal	RS485 (VCC+5~12V)	
7130-22L	0-12.5mm	1.5 μm	3 μm	vertical	RS485 (VCC+5~12V)	
7130-23*	0-12.5mm	1.5 μm	3 μm	horizontal	RS232, TTL level	
7130-23L*	0-12.5mm	1.5 μm	3 μm	vertical	RS232, TTL level	
7130-24	0-12.5mm	1.5 μm	3 μm	horizontal	RS232, 232 level	
7130-24L	0-12.5mm	1.5 μm	3 μm	vertical	RS232, 232 level	

* optional data output cable 7302-7130 or wireless transmitter 7315-7130

Dust/waterproof IP66, resolution 0.1µm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7130-30*	0-12.5mm	0.5µm	1µm	horizontal	RS232, TTL level	
7130-30L*	0-12.5mm	0.5µm	1µm	vertical	RS232, TTL level	
7130-31	0-12.5mm	0.5µm	1µm	horizontal	RS232, 232 level	
7130-31L	0-12.5mm	0.5µm	1µm	vertical	RS232, 232 level	
7130-32	0-12.5mm	0.5µm	1µm	horizontal	RS485 (VCC+5~12V)	
7130-32L	0-12.5mm	0.5µm	1µm	vertical	RS485 (VCC+5~12V)	
7130-33*	0-12.5mm	0.5µm	1µm	horizontal	RS232, TTL level	
7130-33L*	0-12.5mm	0.5µm	1µm	vertical	RS232, TTL level	
7130-34	0-12.5mm	0.5µm	1µm	horizontal	RS232, 232 level	
7130-34L	0-12.5mm	0.5µm	1µm	vertical	RS232, 232 level	

* optional data output cable 7302-7130 or wireless transmitter 7315-7130

Dust/waterproof IP66, resolution 0.5µm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7130-40*	0-12.5mm	1.5µm	3µm	horizontal	RS232, TTL level	
7130-40L*	0-12.5mm	1.5µm	3µm	vertical	RS232, TTL level	
7130-41	0-12.5mm	1.5µm	3µm	horizontal	RS232, 232 level	
7130-41L	0-12.5mm	1.5µm	3µm	vertical	RS232, 232 level	
7130-42	0-12.5mm	1.5µm	3µm	horizontal	RS485 (VCC+5~12V)	
7130-42L	0-12.5mm	1.5µm	3µm	vertical	RS485 (VCC+5~12V)	
7130-43*	0-12.5mm	1.5µm	3µm	horizontal	RS232, TTL level	
7130-43L*	0-12.5mm	1.5µm	3µm	vertical	RS232, TTL level	
7130-44	0-12.5mm	1.5µm	3µm	horizontal	RS232, 232 level	
7130-44L	0-12.5mm	1.5µm	3µm	vertical	RS232, 232 level	

* optional data output cable 7302-7130 or wireless transmitter 7315-7130

OPTIONAL ACCESSORY

Data output cable (keyboard format)	7302-7130
Wireless transmitter (need receiver) *	7315-7130
Software of linear gauge	7130-SOFTWARE

* receiver code 7315-2/3/6/7/8/9