

# DIGITAL LINEAR GAGES



DUSTPROOF  
WATERPROOF

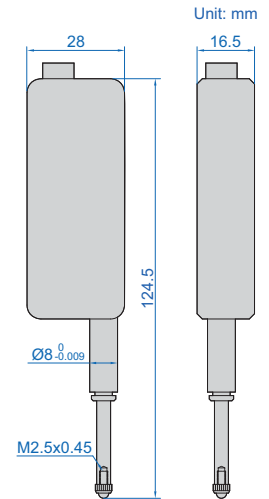
ABSOLUTE ENCODER, THE ORIGINAL  
DATA REMAINS AFTER POWER OFF



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 $\mu\text{m}$

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




## Dust/waterproof IP43, resolution 0.5 $\mu\text{m}$

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

**Dust/waterproof IP66, resolution 0.1 $\mu$ m**

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

**Dust/waterproof IP66, resolution 0.5 $\mu$ m**

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