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7134

Pneumatic Digital Linear Gages Manual

PRODUCT

Caution: Prevent liquid from getting into indicator to damage electronics

Dust/waterproof IP43, resolution 0.1μm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7134-10	0-12.5mm	0.5μm	1μm	horizontal	RS232, TTL level	
7134-10L	0-12.5mm	0.5μm	1μm	vertical	RS232, TTL level	
7134-11	0-12.5mm	0.5μm	1μm	horizontal	RS232, 232 level	
7134-11L	0-12.5mm	0.5μm	1μm	vertical	RS232, 232 level	
7134-12	0-12.5mm	0.5μm	1μm	horizontal	RS485	
7134-12L	0-12.5mm	0.5μm	1μm	vertical	RS485	
7134-13	0-12.5mm	0.5μm	1μm	horizontal	RS232, TTL level	
7134-13L	0-12.5mm	0.5μm	1μm	vertical	RS232, TTL level	
7134-14	0-12.5mm	0.5μm	1μm	horizontal	RS232, 232 level	
7134-14L	0-12.5mm	0.5μm	1μm	vertical	RS232, 232 level	

Dust/waterproof IP43, resolution 0.5μm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7134-20	0-12.5mm	1.5μm	3μm	horizontal	RS232, TTL level	
7134-20L	0-12.5mm	1.5μm	3μm	vertical	RS232, TTL level	
7134-21	0-12.5mm	1.5μm	3μm	horizontal	RS232, 232 level	
7134-21L	0-12.5mm	1.5μm	3μm	vertical	RS232, 232 level	
7134-22	0-12.5mm	1.5μm	3μm	horizontal	RS485	
7134-22L	0-12.5mm	1.5μm	3μm	vertical	RS485	
7134-23	0-12.5mm	1.5μm	3μm	horizontal	RS232, TTL level	
7134-23L	0-12.5mm	1.5μm	3μm	vertical	RS232, TTL level	
7134-24	0-12.5mm	1.5μm	3μm	horizontal	RS232, 232 level	
7134-24L	0-12.5mm	1.5μm	3μm	vertical	RS232, 232 level	

Dust/waterproof IP66, resolution 0.1μm

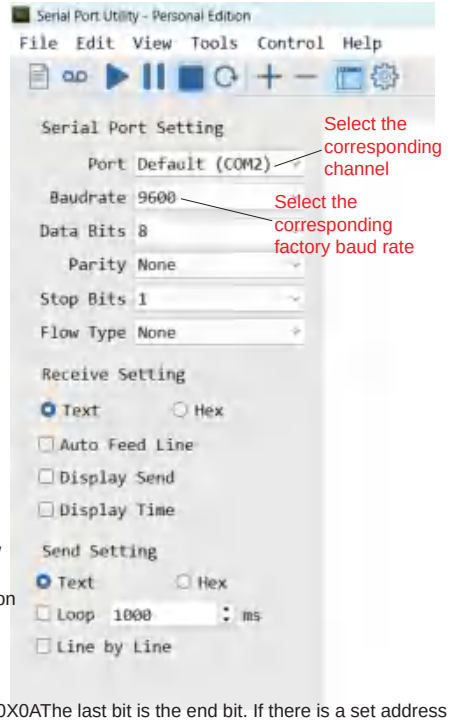
Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7134-30	0-12.5mm	0.5μm	1μm	horizontal	RS232, TTL level	
7134-30L	0-12.5mm	0.5μm	1μm	vertical	RS232, TTL level	
7134-31	0-12.5mm	0.5μm	1μm	horizontal	RS232, 232 level	
7134-31L	0-12.5mm	0.5μm	1μm	vertical	RS232, 232 level	
7134-32	0-12.5mm	0.5μm	1μm	horizontal	RS485	
7134-32L	0-12.5mm	0.5μm	1μm	vertical	RS485	
7134-33	0-12.5mm	0.5μm	1μm	horizontal	RS232, TTL level	
7134-33L	0-12.5mm	0.5μm	1μm	vertical	RS232, TTL level	
7134-34	0-12.5mm	0.5μm	1μm	horizontal	RS232, 232 level	
7134-34L	0-12.5mm	0.5μm	1μm	vertical	RS232, 232 level	

Dust/waterproof IP66, resolution 0.5μm

Code	Range	Repeatability	Accuracy	Outgoing cable direction	Output signal	Output interface
7134-40	0-12.5mm	1.5μm	3μm	horizontal	RS232, TTL level	
7134-40L	0-12.5mm	1.5μm	3μm	vertical	RS232, TTL level	
7134-41	0-12.5mm	1.5μm	3μm	horizontal	RS232, 232 level	
7134-41L	0-12.5mm	1.5μm	3μm	vertical	RS232, 232 level	
7134-42	0-12.5mm	1.5μm	3μm	horizontal	RS485	
7134-42L	0-12.5mm	1.5μm	3μm	vertical	RS485	
7134-43	0-12.5mm	1.5μm	3μm	horizontal	RS232, TTL level	
7134-43L	0-12.5mm	1.5μm	3μm	vertical	RS232, TTL level	
7134-44	0-12.5mm	1.5μm	3μm	horizontal	RS232, 232 level	
7134-44L	0-12.5mm	1.5μm	3μm	vertical	RS232, 232 level	

1.Absolute encoder,the original data remains after power off.
Digitalsignaloutput,amplifier is not required.
Air pressure:0.2-0.5MPa, cablelength: 3m (can be customized).

2.Connection method:
PC: a dedicated data cable is required (note: need to download the driver, serial port utility or 7130-SOFTWARE(optional).
PLC:M8 dedicated data cable is required.
Remote display terminal: a dedicated data cable is required.



3.Signal output mode:
Communication mode:RS-232C(232level/TTLlevel optional)/ RS485 optiona
Baud rate: The baud rate setting of the receiving end should be 9600bps with the factory setting of the product all the time, and the factory baud rate of the product can be customised, the customised range is 2400bps~115200bps.
Check digit:None
Data bits:8
Stop bit:1
Outputcode:ASC II
Receive command code:hexadecimal single byte (for example. send 0x99 sensor to zero).

4.Main commands:
Zero setting:0x99
Data transmission(passive or active):0xdd(active transmission)/ 0xde(passive transmission)
Address setting:no need for actual communication, customization
For example the host computer sends a hexadecimal number: 0x10 command.
The dial indicator or sensor will send a 9-digit data string after receiving it. If the current dialindicator shows -1.2345mm,send as acs code:0X2D,0X30， 0X31,0X2E,0X32,0X33,0X34,0X35,0X0AThe last bit is the end bit. If there is a set address (usually in 485 networking mode), the address is 0x69 (the address cannot be changed, it is directly engraved on the outside of the meter body).sending 0x10 will not respond, only the host computer will send:0x69,the dialindicator will send address + data,such as:69-1.2345mm,send as acs code:0X36,0X39, 0X2D,0X30,0X31, 0X2E,0X32,0X33,0X34,0X35,0X0A.

5. Pin definition (RS485 protocol):

Pin color	Symbol	Function
Red	VCC	Power
Green	RXD	Data IN
White	TXD	Data OUT
Black	GND	GND