Connecting Precision, Defining Accuracy.

Pen Lengh Gauge PLG



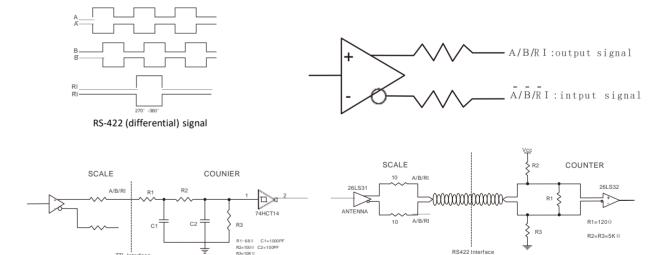
Product Parameters

No. 6, 23rd Road, Industrial Park, Taichung City 40850, Taiwan

Travel range	10 mm			30 mm				
Measuring range	0-11 mm			0-31 mm				
Signal	TTL/HTL/RS422Incremental Signal							
Resolution	0. 1µm	0.2μm	0.5μm	1μm	2µm	4µm		
Accuracy	±1.5μm							
Reference point	Approximately 5 mm from the end							
Measurement Force	<1.5N							
Speed	<30m/min							
Power	5VDC(<150MA)							
Working Temperature	10~+40C° Standard temperature of 20 degrees							
Storage Temperature	-1 0~+5 0C°							
Cable Length	Standard configuration includes 3m (maximum length = 20m) with 9 PD standard connectors.							
Thread of the Measuring Head	M2.5							

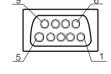
Interface reference circuit diagram

The output signal interface circuit diagram



Connector definition

PINS	1	2	3	4	5	6	7	8	9
SIGNAL	+5V	OV	A	В	RI	RI	A —	В	FG
COLOR	red	black	brown	yello	orange	green	purple	blue	ground
				W					



Ordering model



The PLG series length gauge is a high-precision length measurement sensor designed for small measuring ranges. It has a compact installation space, a long service life, and finds applications in areas such as product measurement, multipoint inspection, measuring equipment testing, and position measurement.

Product Features

- 1. Utilizes a glass grating with high precision and a low coefficient of expansion, along with high-precision ball bearings.
- 2. Incorporates a reflective signal acquisition module.
- 3. Achieves a resolution of up to 0.1 µm.
- 4. Supports interchangeable M2.5 scale heads.

Dimensions



10mm

