

L2-40 Laser Distance Sensor Module

Model: L2-40

Features:

Powerful and fast: Measure distances of up to 40m with up to 20 hertz,

Accuracy= $\pm (1\text{mm} + D * 5\text{‰})$, Power-on time=0.6s.

Reliable and robust: High S/N, Small reflection area, different colors object, weak reflection harsh industrial environments measurement result consistency.

Wide range working Temperature: -15°C to +55°C,

Optional internal heating elements extend the operating range from -40°C to +55°C.

Easy to integrate: Simple to install thanks to standard interfaces and compact construction.

RoHS Compliant.



Specifications:

Model	L2-40				
Power Supply	DC 9-36V				
Power Consumption	0.6W@20Hz, < 0.2W@STBY				
System Boot	600ms				
Laser	Wavelength: 650nm	Power: <1mW	Spot: Dot	Size: <5mm@10m	Life: 6000-8000 hours
Series Port	RS485				
Baud rate	9600/19200/38400/115200 Baud, default 115200			Data Bits: 8	Stop Bits: 1 Parity: none
Communications Protocol	Modbus RTU ASCII				
Speed	10Hz, 20Hz, default 20Hz				
Range	0.05—40m				
Base	Front				
Resolution	1mm				
Accuracy	$\pm (1.5\text{mm} + D * 5\text{‰})$, D is Distance				
Repeat Accuracy	$\pm 1\text{mm}$				
Working temp.	-10—+50°C				
Working Humidity	$\leq \text{RH}85\%$ (L2s)				
Protection Class	IP56 (L2s)				
Size	63.05 x 36.61 x 14.8mm				

Outline Dimensions (Unit: mm)

