

## U81x Module Specification 4.1



### 1. Outline

Module including: Host and LCD (serial port module without LCD)

### 2. Technical Specifications

Accuracy	$\pm 1$ mm
Measuring Unit	meter/inch/feet
Measuring Range (without Reflection)	0.03-20m
Measuring Time	0.125~4 seconds
Laser Class	Class II
Laser Type	620-690nm, <1mW
Size	41*17*7mm

Weight	About 4g
Voltage	DC 2.5~3.3V for U81B
Operating Temperature	0-40 °C ( 32-104 °F )
Storage Temperature	-25~60 °C (-13~140 °F)

Note:

1. Under bad measure condition, like environment with strong light or the diffuse reflectance of measuring point over-high or low, the accuracy would have bigger amount of error:  $\pm 3 \text{ mm} + 40\text{PPM}$ .
2. Under strong light or bad diffuse reflectance of target, please use a reflector.
3. Operating temperature  $-10 \text{ }^{\circ}\text{C} \sim 50 \text{ }^{\circ}\text{C}$  can be customized.

### 3. Mechanical Data

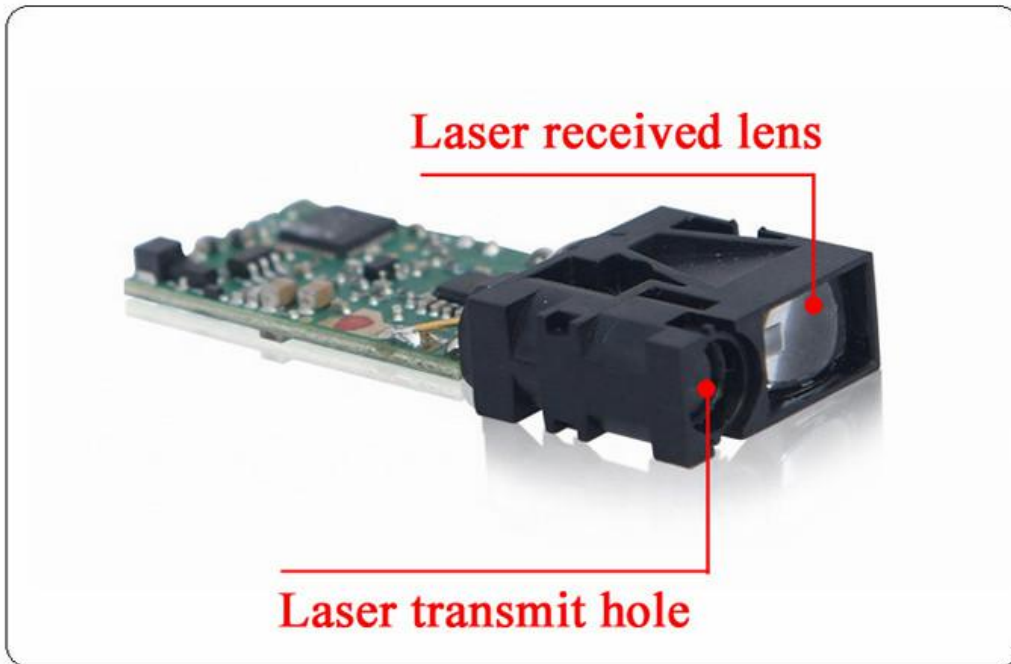
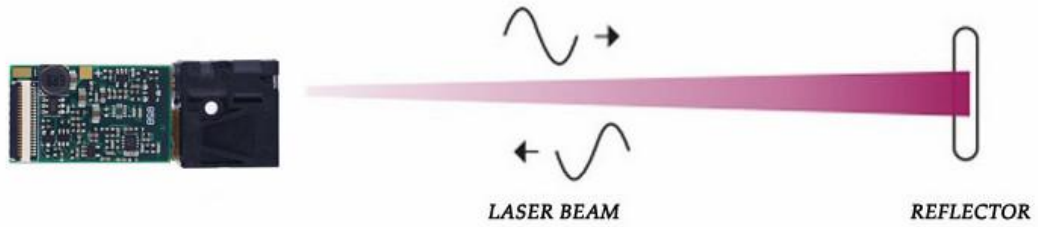


Figure 3-1 Mechanical Size

### 4. How is the industrial distance sensor working?



JRT LASER DISTANCE SENSOR





## JRT Laser Distance Sensor



*Front*



*Back*

