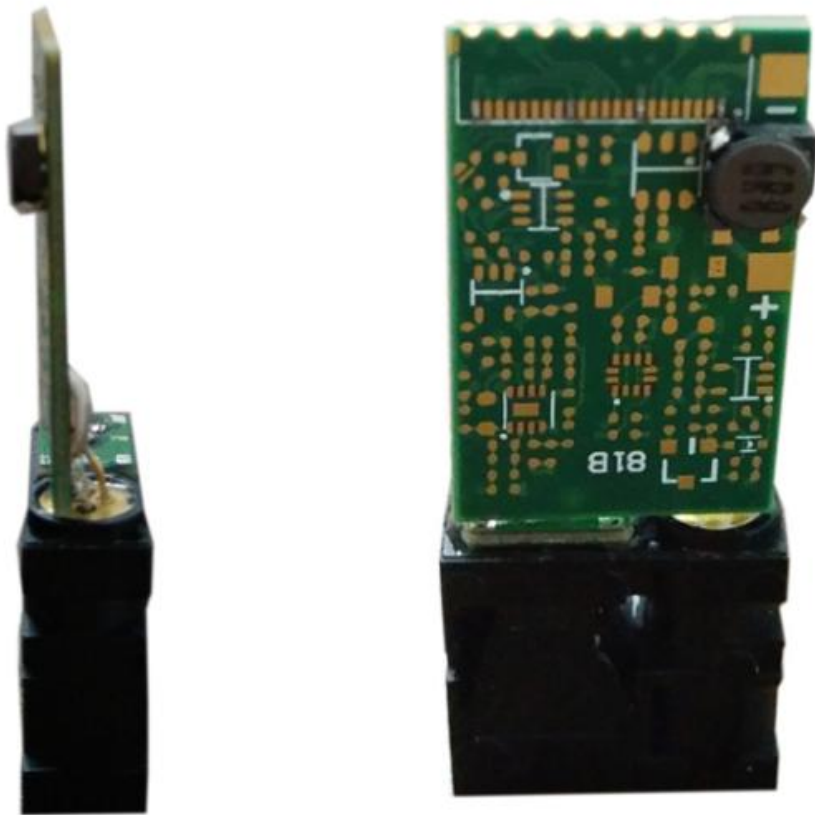


## U81x Module Specification 3.2



### 1. Outline

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

### 2. Technical Specifications

|                                      |                        |
|--------------------------------------|------------------------|
| Accuracy                             | ±1 mm                  |
| Measuring Unit                       | meter/inch/feet        |
| Measuring Range (without Reflection) | 0.03-20m               |
| Measuring Time                       | 0.1~4 seconds          |
| Laser Class                          | Class II               |
| Laser Type                           | 635nm, <1mW            |
| Size                                 | 41*17*7mm              |
| Weight                               | About 4g               |
| Voltage                              | DC 2.5~3.3V for U81    |
| 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