

## M703A Module Specification 19.2



### 1. Outline

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

### 2. Technical Specifications

Accuracy	$\pm 1$ mm (0.04 inch)
Measuring Unit	meter/inch/feet
Measuring Range (without Reflection)	0.03-40m
Measuring Time	0.125~4 seconds



Laser Class	Class II
Laser Type	620-690nm, <1mW
Size	45*25*12mm ( $\pm 1$ mm)
Weight	About 10g
Voltage	DC2.0~3.3V
Electrical Level	TTL/CMOS
Frequency	8Hz
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:  $\pm 1$  mm+40PPM.
2. Under strong light or bad diffuse reflectance of target, please use a reflector.
3. Operating temperature -10 °C~50 °C can be customized.
4. 如果需要增加电压，可以用电源转接模块。Voltage can be changed by power converter LDO

### 3. Hardware Connections

1. Hardware Interface: 2 line USART(Rx, Tx);
2. Baud rate: 19200bps;
3. Data bits: 8b;
4. Parity: none;
5. Flow control: none.

