

## M703A Module Specification 4.1



### 1. Outline

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

## 2. Technical Specifications

Accuracy	±1 mm
Measuring Unit	meter
Measuring Range	0.03-40m
Measuring Time	0.125~4 seconds
Laser Class	Class II
Laser Type	635nm, <1mW
Size	45*25*12mm (±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: ±3 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. Voltage can be changed by power converter LDO
5. 60m can be customized.



### 3. Hardware Connections

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