

40m Measuring Sensor

M Series



- > Measuring Range: 0.03m -40m
- > High Precision: $\pm 1\text{mm}$
- > Hexadecimal protocol
- > Low consumption, long lifetime

“3S”

- > Supports adaptive baud rate: 9600bps/19200bps/115200bps
- > Strong anti-interference capability
- > Support secondary development

Would like to know more info, [send us email](#) or [visit our website](#).

Parameters:

Range: 0.03 - 40m

Measuring accuracy: $\pm 1\text{mm}$

Measuring time: 0.4-4s

Measuring frequency: Up to 3Hz

Laser Type: 620nm ~ 690nm, $< 1\text{mW}$

Laser Class: Class 2

Interface options: CMOS/Serial/TTL/USB/Modbus RTU

Size: 45*25*12mm

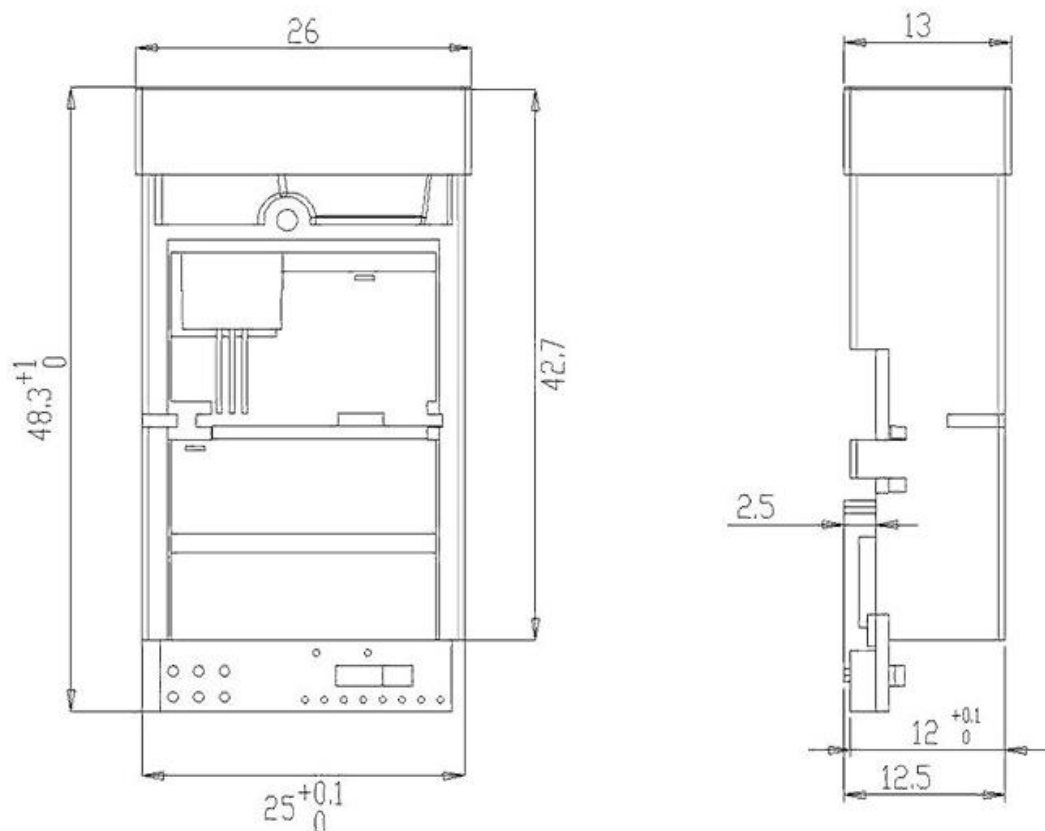
Weight: about 10g

Working temperature: 0 ~ 40°C

Storage temperature: -25 ~ 60°C

If you have any other required customization, welcome to [contact us](#).

Dimensions



Operation Protocol

USART Interface

- Baud rate: Auto Detect (9600bps ~115200bps recommend) OR Default 19200bps
- Start bits: 1 bit
- Data bits: 8 bits
- Stop bits: 1 bit
- Parity: none
- Flow control: none

Status Codes

Status Code	Description
0x0000	No error
0x0001	Power input too low, power voltage should $\geq 2.2\text{ V}$
0x0002	Internal error, don't care
0x0003	Module temperature is too low($< -20^{\circ}\text{C}$)
0x0004	Module temperature is too high($> +40^{\circ}\text{C}$)
0x0005	Target out of range
0x0006	Invalid measure result
0x0007	Background light too strong
0x0008	Laser signal too weak
0x0009	Laser signal too strong
0x000A	Hardware fault 1
0x000B	Hardware fault 2
0x000C	Hardware fault 3
0x000D	Hardware fault 4
0x000E	Hardware fault 5
0x000F	Laser signal not stable
0x0010	Hardware fault 6
0x0011	Hardware fault 7
0x0081	Invalid Frame

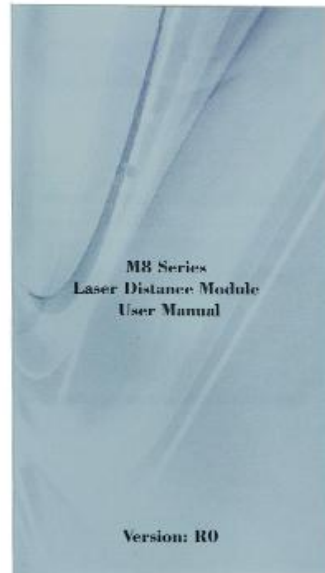
Sample Accessories



Laser range sensor



Certificate



M8 Series Laser Distance Module
User Manual

Chengdu JRT Main Ranging Modules: [Industrial Laser Distance Sensors](#), [Laser Rangefinder Sensor](#), [ToF LiDAR Sensors](#).

For more info, please feel free to [contact us](#).