

## YM1163

# USB LED Indicator with Switch, 7-Color, for Sensor Calibration

## User Manual

File Version: V26.2.23



YM1163 using the standard USB, easy access to PLC, DCS and other instruments or systems for monitoring 七彩灯 state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability, can be customized RS232, RS485, CAN, 4-20mA, DC0~5V/10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

### Technical Parameters

Technical parameter	Parameter value
Communication Interface	USB
Default baud rate	9600 8 n 1
Power	DC5V 1A
Running temperature	-30~80°C
Working humidity	5%RH~90%RH

### Product Size



Note: Manual measurement, please refer to the actual product.

software to test

## Read the data function code 03

All operation commands are hexadecimal data, and the default communication baud rate: 9600,8,N,1

Query frame (hexadecimal), send example: query 1# device 1 data,

The host computer sends the command: 01 03 00 00 00 02 C4 0b

CMD	ADD	MOD	SA	LEN	CAPTCHA
CMD	01	03	00 00	00 02	C4 0B

Response frame (hexadecimal): 01 03 04 00 7A 00 00 DB EA

ADD	MOD	LEN	DATA 1	DATA 2	CAPTCHA
01	03	04	00 79	00 7A	DB EA

Data Explanation: The data in the command is in hexadecimal. Taking Data 1 as an example, 0079 converted to decimal is 121. With a data multiplier of 100, the actual value is  $121/100 = 1.21$ , and the same method applies to the rest.

## Use of Software

### STATUS QUANTITY DATA REGISTER

ADDR.	REG	TITLE	R/W	NOTE
40001	00 00	COLOR TEMPERATURE REGISTER	R	0~65535

### PARAMETER REGISTERS

ADDR.	REG	TITLE	R/W	NOTE
40101	00 65	TYPE ID	R	0~59999
40102	00 65	POINTS	R	1~20
40103	00 66	ADDRESS	R/W	1~249
40104	00 67	BAUD RATE	R/W	0~6
40105	00 68	MODE	R/W	1. QUERY 2. UPLOAD
40106	00 69	PROTOCOL	R/W	1 MODBUS-RTU
40107	00 6A	INTERVAL	R/W	1~36000
40108	00 6B	VALUE	R/W	SOME PRODUCTS ARE AVAILABLE

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

#### How to use software?

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### How to use?

The seven-color calibration LED light can be widely used in measurement fields such as libraries, laboratories, hospitals, schools, warehouses, and offices.



## Product List



Certificate

Number of RGB color calibration LED lights: 1  
(Actual delivery is based on the user's selection)

### Disclaimer

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