Fluorescence Dissolved Oxygen Sensor Modbus protocol

MODBUS RTU Transmission Mode

RTU mode format for each byte (11 bits):

Encoding system	8-bit binary Each 8-bit byte in the protocol contains two 4-bit hexadecimal characters (0-9, A-F)
Bit per byte	1 start bit 8 data bits, the least significant bit is sent first No parity check bit 1 stop bit
Baud rate	9600bps
Message example (little-endian format ABCD adjusts DCBA first, then parses) Factory default slave address 01	
Temperatur：17.5℃ **Percentage：95.8%** **DO Value：8.72mg/L**	01 03 20 00 00 06 C4 70 01 03 0C 00 00 8D 41 83 5B 75 3F E8 88 0B 41 F6 6B
Get user calibration parameters（K=1,B=0）	01 03 22 00 00 04 4E 71 01 03 08 00 00 80 3F 00 00 00 00 9E 12
Set user calibration parameters（K=1,B=0）	SEND: 01 10 22 00 00 04 08 00 00 80 3F 00 00 00 00 C5 9D GET: 01 10 22 00 00 04 CB B2
Get slave ID	FF 03 30 00 00 01 9E D4 Get address: 01 FF 03 02 01 00 90 00
Set slave ID	**Original address 01 after setting address 20** 01 10 30 00 00 01 02 14 00 99 53 01 10 30 00 00 01 0E C9

Notes：

01 03 21 00 00 02 CE 37

01: Address

03：Function Code

21 00： Starting Address

00 02： No.of registers

CE 37：CRC