

MC-HC Meter Controller Datasheet

Product overview

The MC-HC meter controller is a handheld device independently developed by our company. It features 4G, WiFi, and Bluetooth for wireless data transmission. This device is compatible with all our sensors and slave devices, and it supports communication equipment with standard Modbus RTU protocol.。



Application

- All sensors or equipment of the company can be connected to display data
- Portable and handheld design
- Can be connected to any sensor or device with RS485 communication

Features

- Up to 2 sensors can be connected
- Strong compatibility, can be connected to all sensors of our company and sensors of other RS485 communication methods
- LCD touch screen, clear display, easy to operate
- Wireless communication, support 2G/4G, Wi-Fi



Specifications

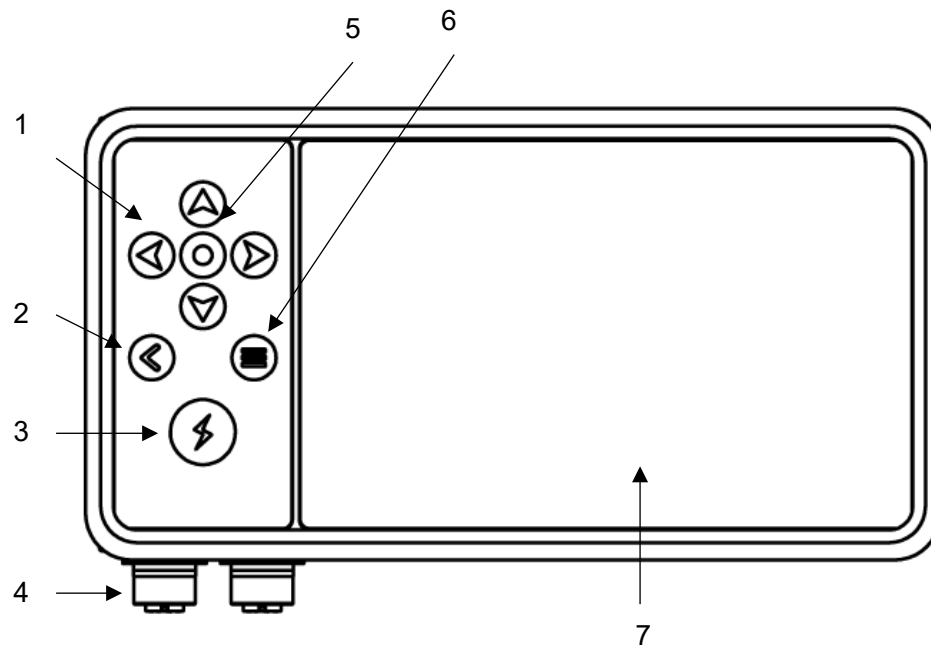
Specification Detail

Product description	Handheld meter transmitter, connected to the sensor to display measured values and upload data
Display	5-inch color LCD screen with touch function
Dimensions (W×H×D)	184×97×40 mm
Weight	0.55 kg
Power requirements	DC 12 V
Battery capacity	7000 mAh, 18650 lithium battery (3.7V) × 2
Protection class	IP65
Mounting	Handheld
Operating temperature	Charging: 10-45 °C (50 - 113 °F) Using: -20-60 °C (-4 - 140 °F)
Storage temperature	-10-45 °C (14- 113 °F)
Data storage	32 GB
Interface	5-pin aviation connector
Wireless Communication	WiFi (HTTP, MQTT protocol), Bluetooth, 4G (user optional)
Location	GPS
Warranty	1 year

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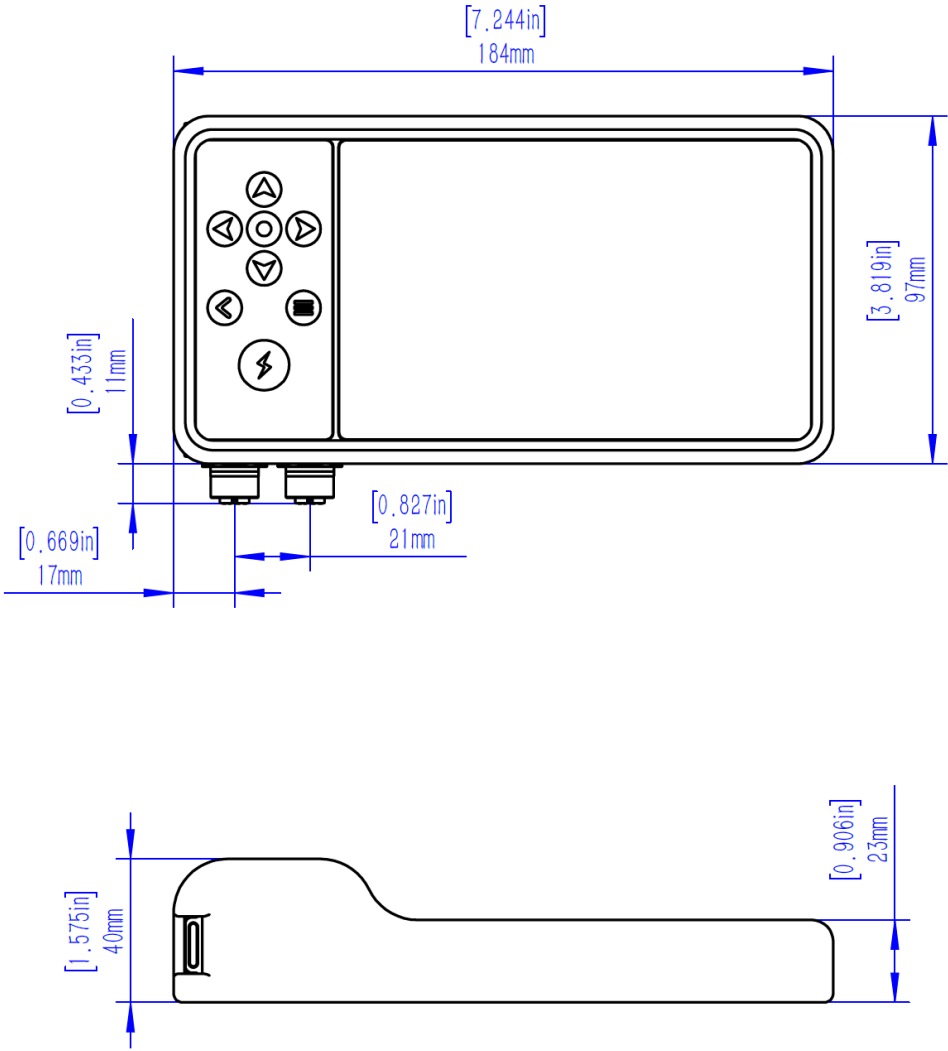
Structure



No.	Name	Function Description
1	Direction button	◀▶▶▼: Direction button
2	Back button	Back button
3	Power button	Power On: Press and hold for 3 seconds Power Off / Restart: Press and hold for 3 seconds, then select in software
4	5-pin aviation connector	Sensor connection or device charging
5	Reserve	Standby
6	OK button	●: OK button
7	Display	Display

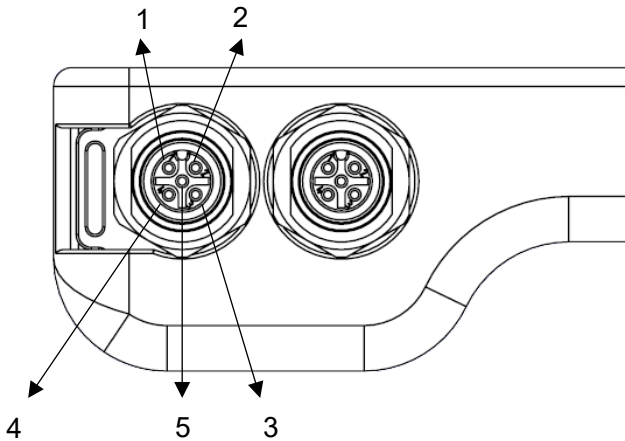


Dimensions



Device interface

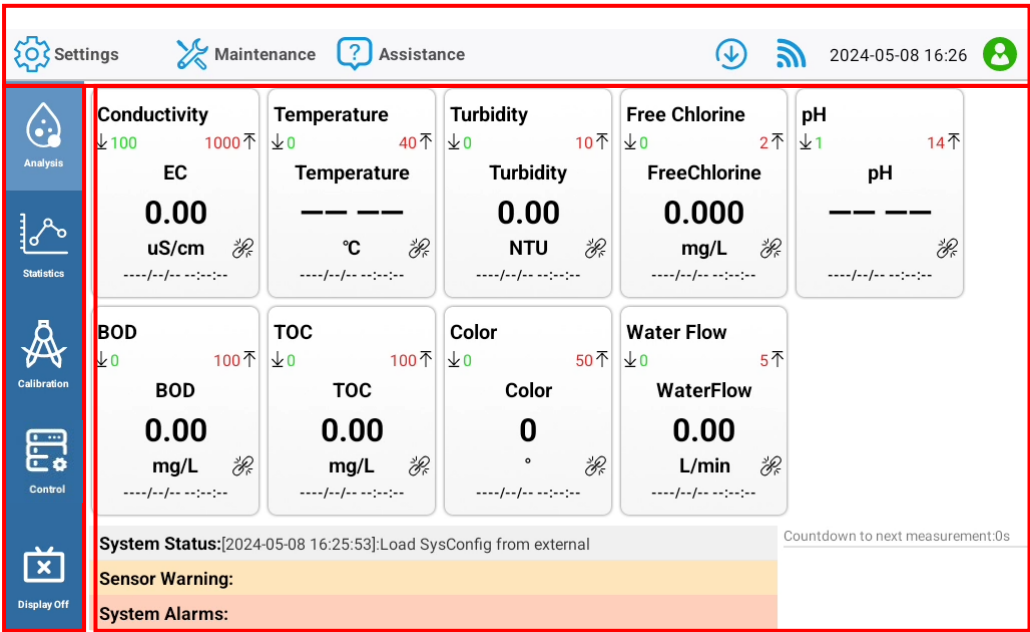
The handheld meter transmitter only supports 5-pin aviation connector connection, sensors with other connectors should be adapted according to the definition before prior to connection to the handheld meter transmitter.



1	DC output power supply positive	2	RS485B
3	RS485A	4	0 VDC
5	DC input power supply positive		

Introduction to the interface

The interface consists of three main blocks: the menu bar, the navigation bar, and the display area.



Note: Changing parameter settings requires the appropriate rights

