

MARSTEK

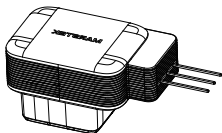
MARSTEK CT003 Smart meter reader SMR-TIC



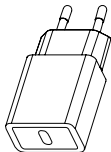
Please read this user manual carefully
before use and keep it properly.

Product Guide

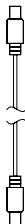
1 Packing List



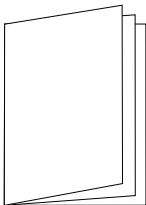
SMR-TIC*1



Power Adapter*1



Charging Cable*1

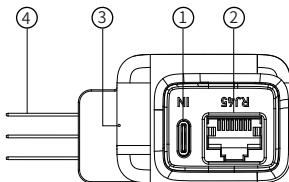


User manual*1

② Product Appearance and Overview

Marstek CT003 Smart Meter Reader is an intelligent device designed for electricity meters. Its built-in antenna ensures stable signal transmission and reliable performance in diverse environments.

The device connects directly to users' electricity meter, accurately reading real-time power consumption data and synchronizing it instantly with the Marstek app via remote communication. Users can monitor household electricity usage anytime, anywhere from their smartphones, enabling real-time tracking and remote management. It also supports energy analysis and helps plan energy-saving strategies.



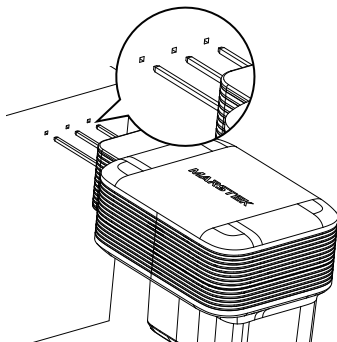
- ① A TYPE-C charging port (supplying 5V/1A power)
- ② An Ethernet port of the RJ45 type (for connecting the Ethernet)

- ③ An LED display light (check if power is supplied)
- ④ The TIC pins are used to read the data from the electricity meter.

③ Installation Procedure

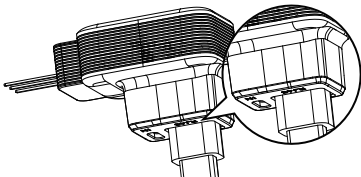
Step 1.

Align the TIC pins of the reading meter with the TIC data transmission interface on the electricity meter. Please make sure that the side with the Marstek logo faces outward.



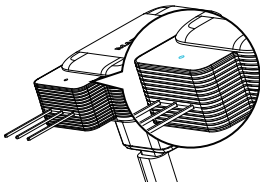
Step 2.

When the Wi-Fi signal is poor, you can choose to connect via Ethernet. If you are already connected to Wi-Fi, you can skip this step.



Step 3.

Plug in the adapter and determine if it is working properly by observing whether the LED emits blue light.



4 Obtaining Manual and APP

1.User Manual:

Please scan the QR code below to obtain the user manual.

2.MARSTEK APP:

Step 1: Visit the link <https://eu.hamedata.com/ems/apk/marstek/index.html> or scan the QR code below to download the MASTEAK APP.

Step 2: Create an account and follow the instructions in the User Manual to complete the setup.



APP usage instructions



APP Download

5 Specification

Specification type	Specification
	SMR-TIC
Parameter of power supply	
AC voltage	/
DC voltage	5V1A (Type-C connection)
Connection	
WIFI	2.4GHZ:n20
Bluetooth version	BLE5.4
Modulation mode	GFSK
Electric meter interface	TIC
Communication	WIFI/ETH
Underlying parameter	
Operating temperature	-20-45°C
Equipment power consumption	<2W

—Warranty Card—

This product, under normal use, will not be affected by defects in materials or workmanship. This warranty covers the entirety of the product, and we do not assign or authorize anyone to be responsible for any other products.

Warranty period

Product warranty period of 3 years. In all cases, the warranty period starts from the date of purchase by the consumer. In order to ensure the start date of the warranty period, the consumer needs to provide proof of purchase or other reasonable supporting documents.

The following conditions are not covered by the warranty

- 1.The appearance of the product is damaged after use.
- 2.Unauthorized disassembly and maintenance of non-professionals.
- 3.Performance problems caused by human factors.

4.Damage caused by natural disasters, lightning Strikes, accidents and other irresistible factors.

How to get warranty service

You can contact our customer service through our official website, Thank you for your cooperation!

Chemical Composition of Toxic and Harmful Substances

Part Name	Toxic and harmful substances or chemical elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Product Shell	O	O	O	O	O	O
Circuit Module	X	O	O	O	O	O
Small Hardware	O	O	O	O	O	O

O : The content of hazardous substances in homogeneous materials all components are limit requirement specified in GB-T 26572.

X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB-T 26572, and there is no mature alternative in the industry at present, which meets the environmental protection requirements of the EU RoHS directive.

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This information for reference purposes only and does not represent a binding agreement. Product (Color, Size, OSD, etc.) in kind prevail.

Safety Warnings!

This warning content refers to personal safety, the proper operation of the equipment, and data accuracy. Please read it carefully and adhere strictly to the instructions provided. Any operation that violates this warning may lead to personal injury, equipment damage, or data loss. The manufacturer takes no responsibility for any such incidents.

- Only the power adapter supplied by the original manufacturer shall be used. The use of non-original, damaged, or incompatible power accessories is strictly prohibited. Failure to comply may result in short circuits, electric shocks, or equipment burnout.
- Strictly avoid harsh environments: Do not use the meter in humid, dusty, or corrosive gas environments, or near fire sources. Prevent moisture or dust from entering the device to avoid circuit malfunctions.
- If abnormal conditions such as excessive temperature exceeding 45° C, smoke emission, unusual odors, or

abnormal noises occur during use, immediately disconnect the power supply and cease using the meter. Do not disassemble the device by yourself. Contact the official after-sales service for handling.

- Keep the device away from children. Prevent accidental contact with the power supply or ingestion of small parts.
- In case of equipment issues such as data reading errors or failure to start, contact the official authorized after-sales service for repairs. Do not have the device disassembled by unauthorized institutions, as this may cause further damage to core components.

—— Company Information ——

Web: www.marstekenergy.com
Mail: support@marstekenergy.com
WEEE-Reg.-Nr.: 89860626
Brand merchants: Marstek Energy Co., Limited
Importer: Marstek Energy GmbH Wiesenstr. 21, 40549 Düsseldorf
Manufacturer: Hamedata Technology Co., Limited 1-3F & 6-8F, BLDG#A, Changfang Industria Park,
No.2 Guihua 5th Road
Pingshan District Shenzhen 518118, Guangdong, China
Made in China

MARSTEK

Power Anywhere & Anytime