

HRTU8101 GPRS/GSM Micro-power Measurement Terminal

I. Overview

HRTU8101 GPRS/GSM Micro-power Measurement Terminal is a water-proof measurement and controlling device. Using high performance lithium battery, it can collect the output signals of various instruments and transmitters and transmit data remotely through GPRS or short message. It is especially suitable for monitoring sites without power supply conditions and harsh environment. It is widely used in water supply, water conservancy, agriculture, geology, environmental protection and other industries.

II. Features

- Integrated with data collection and transmission
- Support battery, solar energy, commercial power supply
- IP68 protection, water proof, moisture proof, and anti-soak
- Support serial port, remote working parameters setting, check data on site
- Support customer self-built system and configuration application.

III. Specification

Hardware configuration: 6-way DI/PI, 2-way AI, 1-way serial port; LCD display, 4-button keypad optional

Remark of 1-way serial port:

When the terminal is connected to the serial device, RS232 can collect up to 14 serial devices of a serial port. RS485 can connect multiple serial devices up to 14. For example, each serial device collects two volumes of traffic and pressure, so you can connect 7 serial devices. If each serial device collects 7 volume, you can connect 2 serial devices.

· Communication error: $\leq 10^{-6}$

· Storage: 4M

Power supply: battery powered: 10V ~ 28V DC; solar or commercial power supply: 12V

DC

·Battery life: 1 to 5 years (related to the frequency of data transmission)

Power consumption: standby current $\leq 50\mu\text{A} / 14.4\text{V}$; collecting current $\leq 5\text{mA} / 14.4\text{V}$;

transmission average current $\leq 10\text{mA} / 14.4\text{V}$

·Installation Method: wall-mounting

·Outline dimension: 229x179x69mm

IV.Outline construction

