



DATA LOGGER

AI GS-01-1000L

REAL-TIME DATA CAPTURE



GSoc DATA LOGGER GS01-1000L

Advanced Environmental Measurements



GSoc GS01-1000L Data Logger is a modern, compact device designed for weather stations and other measurement systems. It features extensive integration and configuration options, as well as reliability and resistance to harsh weather conditions, making it ideal for operation in temperatures ranging from -40°C to $+65^{\circ}\text{C}$.

With support for 1 to 5 inputs, which can be configured as 4 digital inputs (Modbus RTU Master) and 1 analog input (current 0–25 mA, voltage 0–10 V), the logger offers great flexibility in adapting to a variety of sensors. Individual calibration of measurement ranges allows for precise adjustment to specific user needs.

The device supports up to 32 RS485 devices with the MODBUS RTU protocol, each with a unique address, allowing for the creation of extensive and comprehensive measurement systems. The GS01-1000L Data Logger also supports HTTP and MQTT protocols, enabling fast and secure data transfer to external monitoring systems or data clouds in real time.

Key advantages of the GSoc Data Logger:

- Remote diagnostics – the ability to monitor the device's status and configuration in real time.
- Small size – the compact design facilitates installation even in confined spaces.
- Low energy consumption – enables long-term and efficient operation, which is crucial in the field and outdoor environments where access to power is limited. Weather resistance – reliable operation in extreme temperatures and harsh environmental conditions.
- Wide operating temperature range – from -40°C to $+65^{\circ}\text{C}$, allowing for use in various climate zones.