

Signal Converter



- Support for connection to a quartz, pressure, or microwave type water level gauge
- Support for connection to a rain gauge
- Small and light, easy implementation to the control panel



This device is a water level converter to connect to a quartz, pressure, or microwave type sensor (RS485 output).

It has water level conversion, calculation, digital display, and output functions.

On its front panel, you can easily handle its settings.

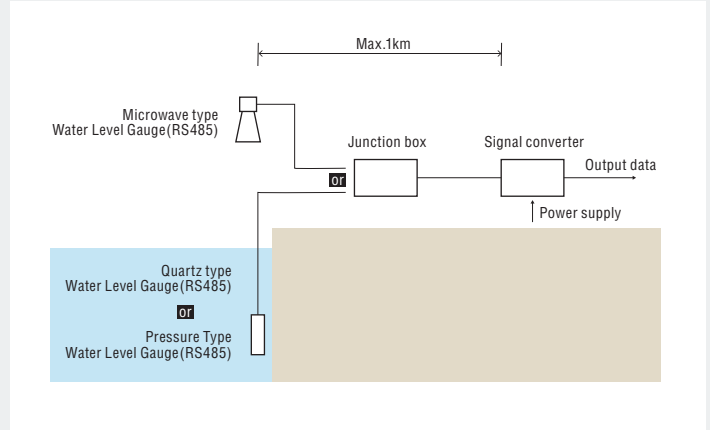
Its light and compact design allows easy implementation to, for example, a control panel.

Specifications

Signal converter

Model	SGC-IAI-IBI A) Applicable water level gauge type Q: Quartz type C: Pressure type M: Microwave type(5.8GHz) B) Analog output 0: No, A: 4 to 20mA
Display · Operation	1) WQVGA 4.3 inch color LCD display with capacitive touch panel 2) Japanese/English language display supported 3) Measurement value display (power supply voltage, water level, and rainfall) 4) Graph display 5) Record data text display
Processing functions	Water level: Water level average calculation, level addition / subtraction Rainfall : Accumulative rainfall calculation, hourly rainfall calculation, cumulative rainfall calculation
Input type	1) Water Level Gauge RS485 sensor drive power supply 1 input Output voltage DC12V (Max.200mA) Applicable sensors are specified when ordering (Quartz Type, Pressure Type, Microwave Type Water Level Gauge) 2) Rain Gauge Tipping bucket rainfall 1 input 1mm pulse or 0.5mm pulse
Power supply	DC6V to 30V (rated DC12V) Can be used at AC100V with an AC adapter (sold separately)
Dimensions	199W x 138H x 90D mm (excluding protruding parts)
Weight	2kg or less
Output	1) RS232C 1 output: Protocol streaming method or command response method, selected by software 2) BCD output (Convert from RS485 output through connection to BCD output units: max. 4 units) 3) Alarm contact output 2 output: Photomos relay contact output 4) Analog signal: DC4 to 20mA 1 channel (Option)
Card recording	Recording media 1) Onboard flash memory 32Mbyte 2) SD card: SDHC compatible 3) USB memory 32GB or less Recording interval: 1, 2, 5, 10, 15, 20, 30 (min), 1 (hour)

Configuration diagram



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