



PetitLOGGER GL100 SERIE

Main body

GL100-WL
with wireless LAN

GL100-N
without wireless LAN

GL series announces support for additional sensors in volatile wireless and non-wireless environment with ability to exchange input modules.



Sensors

 Temp./Humidity GS-TH Temp. (-20 to 85 °C), Humidity (0 to 100 % RH)	 Acceleration/Temp. GS-3AT Tri-axial acceleration (max. 10 G), Temp. (-10 to 50 °C)	 Carbon dioxide (CO2) GS-CO2 CO2 concentration (max. 9999 ppm)	 Illuminance/UV GS-LXUV Illuminance (max. 200 klx), UV intensity (max. 30 mW/cm2)
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Input Terminal / Adapter

 Voltage/Temp. GS-4VT 4ch Voltage (max. 50V) or Temp. (TC: K & T), 4ch Logic or Pulse	 Thermistor GS-4TSR Temperature (-40 to 120 °C), 4ch Logic or Pulse	 AC current sensor GS-DPA-AC Max. 2 sensors Current (50, 100, 200A RMS), Power in Single- or three-phase power system
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Dual port adapter connects up to two modules for simultaneous interface

- Temp./Humidity & Illuminance/UV
- Temp./Humidity & Carbon dioxide (CO2)
- Illuminance/UV & Carbon dioxide (CO2)



Thermistor sensor



AC current sensor

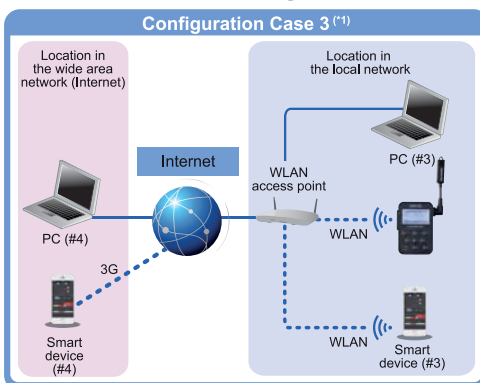
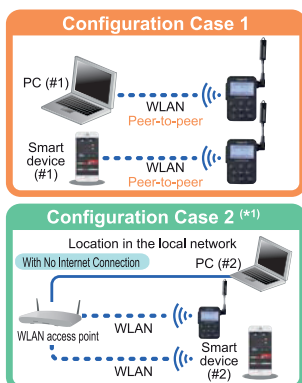


Packages will include combined models best suited for your application

GL100 will feature package solutions that combines several sensors and modules together for a one stop solution as an out-of-the-box-ready item for the specific application that best fits your need.

Combo models for GL100-WL	Temp./Humidity Set : GL100-WL-TH GL100-WL & GS-TH	Acceleration Set : GL100-WL-3AT GL100-WL & GS-3AT	Voltage/Temp. Set : GL100-WL-4VT GL100-WL & GS-4VT	Thermistor Set : GL100-WL-4TSR GL100-WL & GS-4TSR * Thermistor sensor is not included.
Combo models for GL100-N	Temp./Humidity Set : GL100-N-TH GL100-N & GS-TH	Acceleration Set : GL100-N-3AT GL100-N & GS-3AT	Voltage/Temp. Set : GL100-N-4VT GL100-N & GS-4VT	Thermistor Set : GL100-N-4TSR GL100-N & GS-4TSR * Thermistor sensor is not included.

Wireless access will support multiple configurations for both secured and world wide internet access



Available functions	Configuration Case 1		Configuration Case 2		Configuration Case 3			
	PC (#1)	Smart device (#1)	PC (#2) *1	Smart device (#2)	PC (#3) *1	Smart device (#3)	PC (#4)	Smart device (#4)
Control of full functions	●		●		●		● ^{(*)2}	● ^{(*)2}
Control of simple functions (Start/Stop, Sampling, Alarm)		●		●		●		● ^{(*)2}
Display Waveform/ Digital value	●	●	●	●	●	●	● ^{(*)2}	● ^{(*)2}
Save data to PC	●		●		●		● ^{(*)2}	● ^{(*)2}
Receive message via email					●	●	●	●

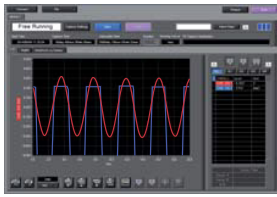
● : Function is available ● : Function is available in the condition
 *1 : Multiple PC cannot make connection to the GL100 simultaneously.
 *2 : Assign a static global IP. Or DDNS service must be available within network and the GL100 configured as a device within the WAN.



Includes Application Software for General-Purpose or Industry-specific Customized Platform

General purpose application software will continue to have the ability to view in Y-T chart, waveform, and digital values. The new industry-specific customize software will feature targeted software in accommodating users with indicators that are specific and familiar to that industry.

General-purpose software for PC



Waveform Screen

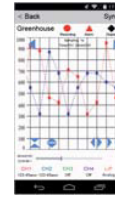


Digital Value Screen

General-purpose software for Smart Device (Android OS/iOS)



Digital Value Screen



Waveform Screen

Industry-specific software (for PC and Smart Device)

Table with 3 columns: Specific-industry, Measurement capability, and Description. Rows include Agriculture, Logistics, and Power measurement.

Available to download at the autumn of 2014

Support your specific software

Customize your software using the SDK (Software Development Kit) provided by Graphtec. The SDK will be available at the beginning of 2015.

Sufficient capacity for data

Data Capturing Time

Table comparing Built-in memory (Approx. 4.9MB) and micro SD memory card (Over 2 years) capturing times under various conditions.

* File size for captured data is up to 1.9GB on the micro SD memory card.

Available battery option

Battery Operating Time

Table comparing Battery Operating Time (Approx. 2 weeks) under various conditions.

* USB power source will be required for Voltage/Temperature (GS-4VT), and CO2 sensor (GS-CO2).

Specifications of GL100-WL, GL100-N. Table with 2 columns: Item and Description. Includes sections for Specifications, Software, and Accessories.

Specifications of input module. Table with 2 columns: Item and Description. Includes sections for Temperature & Humidity sensor, Acceleration & Temperature sensor, Voltage & Thermocouple input terminal, Temperature sensor input terminal, Carbon dioxide sensor, Illuminance & Ultraviolet sensor, and AC Current sensor adapter.

* The GL100-WL uses radio waves in the 2.4GHz band. It may interfere with other devices that use radio waves in the same frequency band. Some actions are required to avoid radio interference when necessary. This equipment can be used in the USA, Canada, EU, and Japan by the regulations of the Wireless Telegraphy Act.

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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