





PetitLOGGER GL100 SERIE

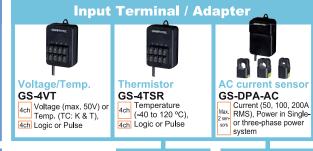
Main body GL100-WL **GL100-N** with wireless LAN without wireless LAN

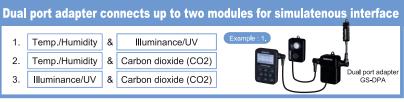
GL series announces support f or additional sensors in volatile wireless and non-wireless environment with ability to exchange input modules.















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.

models for GL100-WL models for

Combo

Temp./Humidity Set : GL100-WL-TH Acceleration Set : GL100-WL-3AT Voltage/Temp. Set : GL100-WL-4VT GL100-WL & GS-TH

GL100-WL & GS-3AT

GL100-WL & GS-4VT

Thermistor Set: GL100-WL-4TSR GL100-WL & GS-4TSR

Temp./Humidity Set : GL100-N-TH Acceleration Set : GL100-N-3AT GL100-N & GS-TH GL100-N

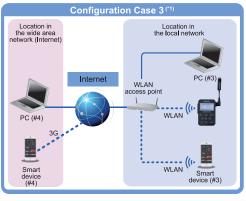
GL100-N & GS-3AT

Voltage/Temp. Set: GL100-N-4VT GL100-N & GS-4VT

Thermistor Set: GL100-N-4TSR GL100-N & GS-4TSR

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





Available	Configuration Case 1		Configuration Case 2		Configuration Case 3			
functions	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)	
Control of simple functions (Start/Stop, Sampling, Alarm)		•		•		•		(*2)
Display Waveform/ Digital value	•	•	•	•	•	•	(*2)	(*2)
Save data to PC	•		•		•		(*2)	
Receive message via email					•	•	•	•
	- Euro	tion in a	oiloblo	A Euro	otion io o	wailabla i	n the ee	dition

- : 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





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





Waveform Screen

Digital Value Screen

Digital Value Screen

Waveform Screen

Support your specific software

Industry-specific software (for PC and Smart Device) Measurementy capability Temperature Accumulation Humidity Deficit Amount of solar radiation Amount of ultraviolet rays Confirm temperature accumulation, humidity deficit, solar radiation, ultraviolet rays as part of the vital indicators for healthy plant growth. Measure optimal saturation deficit by understanding the best conditions applied for growth, flowering, and fruit growth using temperature accumulation and optimal growth environment scheme. rowth environment scheme.

Transportation of industrial equipment, temperature controlled transport of food, and warehouse emperature management can all be monitored to provide the safest and secured operation. Safety new surface of the safest and secured operation. Safety new to the safest secured operation of the transport vehicles can be vital to heavy-industrial not vibration sensitive equipment. Accumulated temperature monitoring and humidity less will be vital to keeping food fresh in a controlled environment. Search and display acceleration thresholds Temperature Accumulation Humidity Deficit Logistics Power and electric energy levels will be displayed on the graph using measured AC current locally at the factory, buildings and industrial equipment. Corresponds to three power systems including two-wire single-phase, three-wire single-phase, or three-wire in three-phase. AC current Power Integrated power

Available to downlod at the autum of 2014

Customize your software using the SDK (Software Development Kit) provided by Graphtec. beginning of 2015.

Sufficient capacity for data

Data Capturing Time

Condition	Capturing time	•
Built-in memory (Approx. 4.9MB)	Approx. 254 days	
micro SD memory card	Over 2 years	

Condition Example: Temp./Humidity sensor (GS-TH), 1 minute sampling interval

Available battery option

Battery Operating Time

Condition		Operating time	Condition Example : Temp./Humidity sensor (GS-TH),
	When saving data to the Built-in memory with WLAN disabled	Approx. 2 weeks	1 minute sampling interval, using Alkaline battery (AA size x 2)
	* USB power source will be required for \	oltage/Temperature (GS-4	VT), and CO2 sensor (GS-CO2).

Condition Example

* File size for captured	data is up to 1.9G	B on the micro SD memory card.		
Specifications of GL1				
Item	Description			
Number of channel	Up to 4 channels			
1		e of input module used, and measurement type is fixed with each input module.)		
Interface to PC Functions		ess LAN (IEEE802.11b) in GL100-WL		
Functions	Real-time data Displays the second	a capturing aptured data value to the LCD in real-time and save the monitoring values		
		s using the Menu setting		
	While using Wi	9		
		ed data in real-time		
		ved data from the internal memory		
		the GL100 from the PC application software		
		s via the e-mail in GL100-WL (*1)		
	While using US			
	Output captur	ed data in real-time		
	Output the sar	ved data from the internal memory		
	 Full control of 	the GL100 from the PC application software		
Display	LCD (backlit monochrome, graphical type)			
Storage device	Built-in RAM (Approx. 4.9 MB)			
	micro SD memory card			
		size for captured data is 1.9 GB.		
Sampling interval		nds and 1 to 60 minutes		
Output signal	Alarm (1 channel), Warnings message is sent via the e-mail in GL100-WL (*1)			
Power source	Alkaline battery (AA x 2) USB bus-power (micro USB connector)			
		power capacity is 5V, 1A when AC adapter for microUSB drive		
Operating environment	is used. AC adapter is not included. It Temperature: -10 °C to 50 °C			
Operating crivitorinient		5 80% RH (non condensed)		
	Water resistance			
External dimension		00 x 27 mm (exclude protrusion)		
Weight		rox. 125 g, GL100-WL : Approx. 130 g		
Software				
Item	Description			
Supported OS	Windows: 8.1	8 / 7 / Vista (32- or 64-bit), Android OS : 4.3 or later, iOS : 7 or later		
Controlled units	Up to 10 units			
Accessories				
Item	Model number			
Thermistor sensor (Normal type)	GS-103AT-4P	Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range : -40 to 105 °C		
Thermistor sensor (Ultrathin type)	GS-103JT-4P	Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range : -40 to 120 °C		
AC Current sensor	GS-AC50A	For GS-DAP-AC module, Cable 200 mm, Current range : 50 A AC		
AC Current sensor	GS-AC100A	For GS-DAP-AC module, Cable 200 mm, Current range : 100 A AC		
AC Current sensor	GS-AC200A	For GS-DAP-AC module, Cable 200 mm, Current range : 200 A AC		
Dual port adapter	GS-DPA	Connect up to two (2) sensors		
Module Extension Cable	GS-EXC	Extension cable for input module, 1.5 m long		

Specifications of inpute temperature & Humid				
	Temperature, and Humidity			
.,,,	Accumulated temp. (calculated value), Dew-point temp. (calculated value)			
Measuring range	Temperature : -20 to 85 °C			
	Humidity: 0 to 100 % RH			
Acceleration & Tempe	rature sensor (GS-3AT)			
Type of measurement	Tri-axial acceleration (X-, Y-, Z-axis), and Temperature			
Measuring range	Acceleration: ±2G(20 m/s²), ±5G (50 m/s²), ±10G (100 m/s²)			
	Temperature : -10 to 50 °C			
Sampling interval	5 to 100 ms in memory mode, 0.5 s to 60 min. in direct mode (*2)			
Voltage & Thermocou	ple input terminal (GS-4VT)			
Number of channel	Analog voltage 4 channels,			
	Logic or Pulse 4 channels (*3)			
Measuring range	Voltage: 20mV to 50V, 1-5V FS			
	Thermocouple : K type (-200 to 1370 °C) & T type (-200 to 400 °C)			
	Logic (signal pattern): 0 to 24 V (common ground)			
	Pules (count): Max. 200 counts/sampling intervall, accumulating up to 65535 cour			
	nput terminal (GS-4TSR)			
Number of channel	Sensor 4 channels,			
	Logic or Pulse 4 channels (*3)			
Sensor	Thermistor sensor (optional)			
Measuring range	Temperature : -40 to 120 °C (varies by the type of sensor)			
	Logic (signal pattern) : 0 to 24 V (common ground)			
	Pulse (count): Max. 200 counts/sampling interval, accumulating up to 65535 cour			
	sensor (GS-CO2)			
Type of measurement	Carbon dioxide concentration			
Measuring range	0 to 9999 ppm			
Operating environment	Temperature : 0 °C to 50 °C, Humidity: up to 80% RH (non condensed)			
Illuminance & Ultravio				
Type of measurement	Illuminance, and UV intensity			
	Accumulated Illuminance (calculated value), Accumulated UV intensity (calculated value)			
Measuring range	Illuminance: 0 to 200 klx			
	UV intensity : 0 to 30 mW/cm ²			
AC Current sensor ad				
Type of measurement	Current			
	Power (calculated value), Electric energy (calculated value)			
Application circuit	Single-phase two-wire, Single-phase three-wire system, or Three-phase three-w			
Sensor Measuring range	Clamp-on current probe (optional), Two (2) sensors are able to connect			
	50, 100, 200 A RMS (varies by the sensor)			

- A mail server is required for using the e-mail function.
- 1. A Intelligence of the control of the memory mode.
 2. I Memory capacity is up to 128 k samples in the memory mode.
 3. The measurement type for analog input channels can each be separately selected but also available as set of 4 channels.

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

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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.