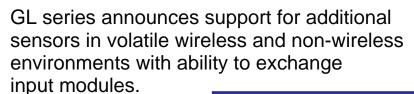


Compact data logger

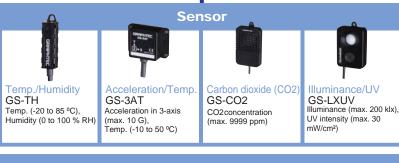
GL100-WL w/ Wireless LAN

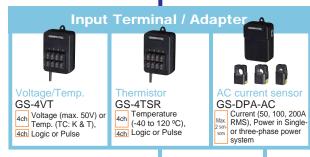


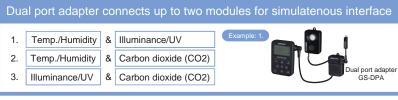
Shown in actual size















Line-up includes combined models best suited for application base

GL100 will feature combo solutions that are packaged together and will be offered as 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

Temp./Humidity Set: GL100-N-TH Combo GL100-N & GS-TH GI 100-N

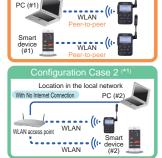
Acceleration Set: GL100-N-3AT GL100-N & GS-3AT

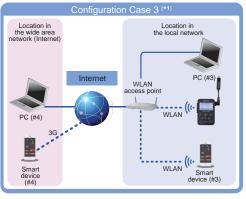
Voltage/Temp. Set: GL100-N-4VT GL100-N & GS-4VT

Thermistor Set: GL100-N-4TSR

GL100-N & GS-4TSR

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





Available functions	Configurat	ion 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)	
Control of simple functions (Start/Stop, Sampling, Alarm)		•		•		•		(*2)
Display Waveform/ Digital value	•	•	•	•	•	•	(*2)	(*3)
Save data to PC	•		•		•		(*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: Static global IP address needs to be assigned. Or DDNS service needs to be available, and the GL100 needs to be configured as a device in the WAN.

Incorporate 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)





Available to downlod in end of 2014

Digital Value Screen

Waveform Screen

п					
П	Industry-specific	£ 1	/f DO		D 1
П	Indiletry_enacitic	COTTWARE	ITAT PL	and Smart	
П	III IUUSII V-SDCCIIIC	SULWAIC	1101 1 0	and Oman	

	, ,	,
Specific- industry	Measurementv capability	Description
Agricultura	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 fruiting using temperature accumulation and optimal growth environment analysis.
Logistics	Search and display acceleration thresholds Temperature Accumulation Humidity Deficit	Transpiration of industrial equipment, temperature controlled transport of food, and warehouse temperature management can all be monitored to provide the safest and secured operation. Safety measurements through monitoring the vibration of the transport vehicles can be vital to heavy-industrial and vibration sensitive equipment. Accumulated temperature monitoring and humidity levels will be vital to keeping food fresh in a controlled environment.
measure-	AC current Power Integrated power	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 such as two-wire single-phase, three-wire single-phase, or three-wire in three-phase.

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

Support your peculiar software

The SDK will be available at beginning 2015.

Sufficient capacity for data

Data Capturing Time		(
Condition	Capturing time	1
Built-in memory (Approx. 4.9MB)	Approx. 296 days	1
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 Example:	
Condition	Operating time	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 Voltage/Temperature (GS-4VT), and CO2 sensor (GS-CO2).

Specifications of GL1	00-WL, GL100-N		
Item	Description		
Number of channel	Up to 4 channels		
	(varies by the type of input module used, and measurement type is fixed with eac		
Interface to PC	USB 2.0, Wireless LAN (IEEE802.11b) in GL100-WL		
Functions	· Real-time data capti	uring	
	· Display the captured	d data value to the LCD in real-time and save the monitoring value	
	· Set conditions using	the Menu setting	
	While using Wireles	s LAN:	
	· Output captured da	ata in real-time	
		data from the internal memory	
	· Full control of the	GL100 from the PC application software	
	· Send warnings via	the e-mail in GL100-WL (*1)	
	While using USB po	ort:	
	· Output captured da	ata in real-time	
	· Output the saved of	data from the internal memory	
	• Full control of the	GL100 from the PC application software	
Display	LCD (backlit monoc	hrome, graphical type)	
Storage device	· Built-in RAM (Appr	rox. 4.9 MB)	
	· micro SD memory	card	
	* Maximum file size	for captured data is 1.9 GB.	
Sampling interval	0.5 to 30 seconds a	nd 1 to 60 minutes	
Output signal	Alarm (1 channel), Warnings message is sent via the e-mail in GL100-WL (*1)		
Power source	Battery (AA x 2)		
	USB bus-power (micro USB connector)		
	* The required power	er capacity is 5V, 1A when AC adapter for microUSB drive	
	is used. AC adapte	er is not included.	
Operating environment	Temperature: -10 °C	C to 50 °C	
	Humidity: up to 80%	RH (non condensed)	
	Water resistance: IF	254	
External dimension	Approx. 66 x 100 x 2	27 mm (exclude protrusion)	
Weight	GL100-N: Approx. 1	25 g, GL100-WL: Approx. 130 g	
Software		The state of the s	
Item	Description		
Supported OS		/ Vista (32- or 64-bit), Android OS: 4.3 or later, iOS: 7 or late	
Controlled units	Up to 10 units	7 Viola (02 01 01 010); 7 Midiola 00: 110 01 lator; 100: 1 01 lato	
Accessories	Op to 10 tinits		
Item	Model number	Description	
	GS-103AT-4P	Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 105	
Thermister sensor (Normal type) Thermister sensor (Ultrathin type)		Sensor for GS-41SR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 120 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 120 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pcs/set, Temp. range: -40 to 103 Sensor for GS-4TSR module, 3 m, 4 pc	
Thermistor sensor (Ultrathin type) AC Current sensor			
	GS-AC50A	For GS-DAP-AC module, Cable 200 mm, Current range : 50 A AC	
AC Current sensor AC Current sensor	GS-AC100A GS-AC200A	For GS-DAP-AC module, Cable 200 mm, Current range: 100 A A For GS-DAP-AC module, Cable 200 mm, Current range: 200 A A	
Dual port adapter	GS-AC200A GS-DPA		
22 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Connect up to two (2) sensors	
Module Extension Cable	G9-EXC	Extension cable for input module, 1.5 m long	

Specifications of input module				
Temperature & Humidity sensor (GS-TH)				
Type of measurement	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	erature sensor (GS-3AT)			
Type of measurement	Acceleration in 3-axis (X-, Y-, Z-axis), and Temperature			
Measuring range	Acceleration: ±2 (20 m/s²), ±5 (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)			
Illuminance & Ultravio	olet sensor (GL-LXUV)			
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/cm²			
Carbon dioxide (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)			
AC Current sensor ad	apter (GS-DPA-AC)			
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-wire			
Sensor	Clamp-on current probe (optional), Two (2) sensors are able to connect			
Measuring range	50, 100, 200 A RMS (varies by the sensor)			
Voltage & Thermocou	Voltage & Thermocouple input terminal (GL-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 counts			
Temperature sensor input terminal (GL-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 counts			

- *1: The mail server is required for using the e-mail function.
- *2: 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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For pricing or any further information, please contact Omni Instruments Ltd.



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

^{*} 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.