

PetitLOGGER GL100 & Industry-specific software

Monitor current & power

Current

Power

Electric
energy

Check at
The Office Easily

Easy Installation

Monitor or Analyze
The Condition of Facilities

Equipment

Distribution board

Agricultural
facility

AC current
sensor

Adapter for
AC current sensor

Remote monitoring
in other place
such as office!

Check on site!

PC

microSD
memory card

WLAN

Smart
device

Internet



Power measurement with GL100

Easy to monitor current and power value.

Power system	Main body	Adapter	Current sensor
Single phase	1	1	1
Three phase	1	1	2

Easy measurement with PC or Smart device

What is the amount
of electricity?

What is
the charge?

Current /
Power
Accumulated
power

Total : 100 kwh
Fee : USD 100.00

Electricity
charges

PC

Smart device

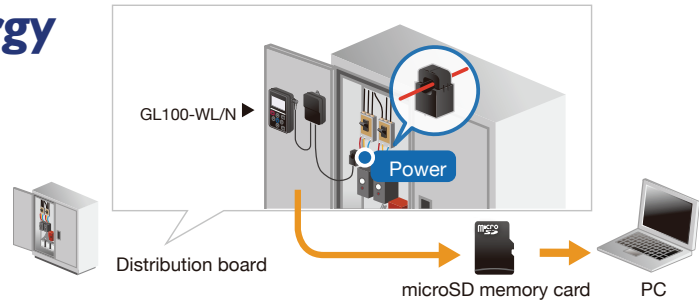
GL-Connect
for Smart device

GET IT ON
Google play
(Android 4.1 to 6.0)

Download on the
App Store
(iOS 9 / iOS 10 / iOS 11)

Monitoring of electric energy in the distribution board

Easy to install,
collect recorded data with microSD



PetitLOGGER GL100



Just plug in
the sensor

Adapter for current sensor

GS-DPA-AC



AC current sensor (CT)

GS-AC50A



GS-AC100A



GS-AC200A



Easy remote monitoring anywhere with Smart device or PC

Router supporting DDNS (Dynamic Domain Name Server) Supported GL100-WL

Router
Supporting WLAN



3G / T4
Communication line



GL100-WL (with Wireless LAN) *
GL100-N (Without Wireless LAN)

* It is available in limited region including USA, Europe and some other countries by regarding local Wireless Telegraphy Act.
Please contact your local representative of Graphtec for more information.

Data capturing time (Condition: measuring AC current & power using GS-DPA-AC, 1 minute sampling interval)

Item	Data capturing time
Built-in memory (approx. 4.9 MB)	Approx. 178 days
microSD memory card	Over 2 years

* The microSD memory card is not included. (One data file on microSD memory card is limited up to approx 1.9 GB.)

* When GL100 is driven with AA alkaline batteries, battery life is approximately 6 days. (Condition: measuring with AC current sensor, 1 minute sampling interval, saving data into built-in memory, enabling screensaver)

Specifications of GL100	
Item	Description
Interface to PC	USB USB 2.0 (Micro B connector)
	WLAN *1 Standards: IEEE 802.11b
Communication distance: approx. 40 m (varies by condition)	
Display	LCD (backlit monochrome, graphical type)
Functions	Using USB Display and output captured data in real-time, Output the saved data, Control the GL100 from the PC application software
	Using WLAN Display and output captured data in real-time, Output the saved data, Control the GL100 from the PC or Smart device application software, Send warnings via the e-mail
Output signal	Alarm (1 channel), Warning message (it is sent via the e-mail) *1
Power source	Battery (Alkaline battery, AA x 2), USB bus-power (5V, 200 mA minimum) *2
Operating environment	Temperature: -10 °C to 50 °C, Humidity: up to 80 % RH (non condensed)
	IP classification: IP54 *3
External dimensions	[W x D x H] Approx. 66 x 100 x 27 mm (exclude protrusion)
Weight	GL100-N: Approx. 125 g, GL100-WL: Approx. 130 g
Sampling interval	0.5 sec. to 60 min.

*1: WLAN and mail function are available with the GL100-WL.

*2: Including USB cable as standard accessory. Batteries and AC adapter for USB bus-power are not included. (recommended to use an AC adapter with rated output of 5 V 1 A or more.)

*3: When the main unit and the sensor module are connected and the connector cover and battery cover are closed, it corresponds to IP54. AC current sensor adapter and AC current sensor are not supported with IP54.

Software (GL100-APS for PC, GL-Connect for Smart device) *4

Item	Description
Supported OS	Windows 10 / 8.1 / 8 / 7 / Vista (32- or 64-bit)
Smart device	Android : 4.1 to 6.0 (Download from Google Play)
	iOS : iOS 9 / 10 / 11 (Download from App Store)

*4: Firmware ver.1.12 or later is required in the GL100.



(Android 4.1 to 6.0)



(iOS 9 / iOS 10 / iOS 11)

• Due to the possibility of equipment or PC failure, the data files on the instrument will not be guaranteed to be held on the memory. Please make a backup of data whenever possible to avoid data loss.
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• Items mentioned are subject to change without notice. For more information about product, please check the web site or contact your local representative.



For using equipment in correctly and safely

• Before using it, please read the user manual and then please use it properly in accordance with the description.

• To avoid malfunction or an electric shock by current leakage or voltage, please ensure a ground connection and use according to the specification.

GRAPHTEC

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