

Datalogger & Data Platform Product Guide

Versatile Dataloggers for a Wide Variety of Applications

Compact Datalogger

CompactLOGGER **GL100** series



Dataloggers

midILogger
GL900 series



midILogger
GL840 series



midILogger
GL240



Data Acquisition

DATA PLATFORM **GL7000**



Recorder

MOUNTCORDER **MT100**



Data Acquisition | Datalogger | Recorder

Modular Type Data Acquisition Unit DATA PLATFORM **GL7000**

Supports the Graphtec GL-Connection software. Compatible with other Graphtec GL dataloggers.

Optional touch panel display (GL7-DISP)



- Hi-speed 1MS/s
- Multi-channels max.112ch
- High voltage 1000 V
- Huge memory capacity 64GB SSD



* Up to 10 modules can be connected to one main unit. Unit above shows five modules and touch panel display.

Voltage Module <ul style="list-style-type: none"> Voltage 10ch/unit Max. 1kS/s (1ms) Simultaneous sampling Isolated GL7-V	Voltage/Temperature Module <ul style="list-style-type: none"> Voltage, Temp. 10ch/unit Max. 100S/s (10ms) A/D converter type Isolated GL7-M	High speed Voltage Module <ul style="list-style-type: none"> High speed 4ch/unit Max. 1MS/s (1μs) Simultaneous sampling Isolated GL7-HSV	High Voltage Module <ul style="list-style-type: none"> Voltage 2ch/unit Max. input voltage 1000V Max. 1MS/s (1μs) Isolated GL7-HV	DC Strain Module <ul style="list-style-type: none"> Strain, Voltage 4ch/unit Strain gauge, Sensor Max. 100kS/s (10μs) Isolated GL7-DCB
Charge Module <ul style="list-style-type: none"> Charge, Voltage 4ch/unit Charge, IEPE Sensor (TEDS) Max. 100kS/s (10μs) Isolated GL7-CHA	Voltage Output Module <ul style="list-style-type: none"> Output voltage 8ch/unit Max. 100kS/s (10μs) Captured data, Arbitrary waveform GL7-DCO	Logic/Pulse Module <ul style="list-style-type: none"> Logic/Pulse 16ch/unit Max. 1MS/s (1μs) Simultaneous sampling GL7-L/P	SSD Module <ul style="list-style-type: none"> 64 GB storage GL7-SSD	Touch Panel Display Module <ul style="list-style-type: none"> GL7-DISP

* Optional input or output cable is required.

High-speed isolated 4 or 8 channel multifunction datalogger midiLOGGER **GL900** series

Supports the Graphtec GL-Connection software. Compatible with other Graphtec GL dataloggers.

8 channels GL900-8 	4 channels GL900-4 	<ul style="list-style-type: none"> Max. 100kS/s (10 μs) Simultaneous sampling Voltage, Temp., Humidity, Pulse/Logic LAN USB USB memory
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- Voltage:** 20 mV to 500 V
- Temp.:** TC: K, J, E, T, R, S, B, N, W(WRe5-26)
- Humidity:** 0 to 100 % (the B-530 option is required)
- Pulse:** 4ch (Accumulating, Instant, or Rotation)
- Logic:** 4ch
- Multifunction input on 4 or 8 isolated channels
- Maximum sampling rate of up to 10 μs
- Equipped with a 5.7-inch TFT color LCD
- Displays the data in the X-Y graph in real time
- Store data directly into the USB memory device

* Select either Pulse or Logic input, and use the optional input/output cable (B-513)

Paperless recorder MOUNTCORDER **MT100**



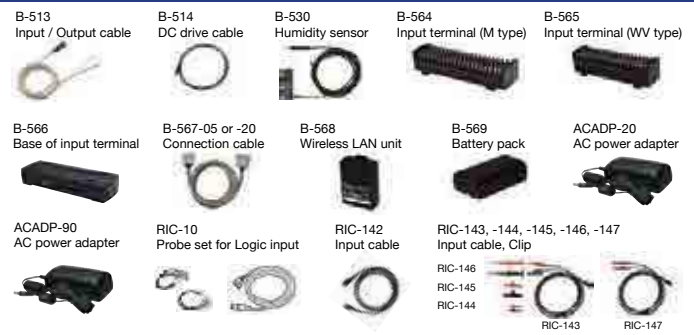
- Max. 100ms sampling
- Temp. Humidity, Voltage, Pulse/Logic
- 10 channels
- LAN USB USB memory
- Conform IP-65 Front panel

- Voltage:** 20 mV to 50 V
- Temp.:** TC: K, J, E, T, R, S, B, N, W(WRe5-26) RTD: Pt100, Pt1000 (IEC751), JPt100 (JIS)
- Humidity:** 0 to 100% (the B-530 option is required)
- Pulse:** 4ch (Accumulating, Instant, or Rotation)
- Logic:** 4ch
- Multifunction input on 10 isolated channels
- Data can be directly captured into the USB memory device
- Dust-proof, moisture-proof, vibration-resistant
- Waveform display is similar to a plotted chart recorder
- 144(W) x 144(H) x 200(D) mm space saving design

* Select either Pulse or Logic input

Options and Accessories

Model	Item	GL240	GL840 series	GL900 series	GL7000 series
B-513	Input/Output cable for GL series	Yes	Yes	Yes	Yes
B-514	DC drive cable	Yes	Yes	Yes	N/A
B-530	Humidity sensor	Yes	Yes	Yes	Yes
B-564	Input terminal (M type)	N/A	Yes	N/A	N/A
B-565	Input terminal (WV type)	N/A	Yes	N/A	N/A
B-566	Base of input terminal	N/A	Yes	N/A	N/A
B-567-05,-20	Connection cable	N/A	Yes	N/A	N/A
B-568	Wireless LAN unit	Yes	Yes	N/A	N/A
B-569	Battery pack	Yes	Yes	Yes	N/A
ACADP-20	AC power adapter	Yes	Yes	N/A	N/A
ACADP-90	AC power adapter	N/A	N/A	Yes	N/A
RIC-10	Probe set for Logic input	N/A	N/A	N/A	Yes
RIC-142	Input cable, BNC - BNC	N/A	N/A	Yes	Yes
RIC-143	Input cable, Banana - BNC	N/A	N/A	Yes	Yes
RIC-144	Clip, Alligator (small size) for RIC-143,147	N/A	N/A	Yes	Yes
RIC-145	Clip, Alligator (middle size) for RIC-143,147	N/A	N/A	Yes	Yes
RIC-146	Clip, Grabber for RIC-143,147	N/A	N/A	Yes	Yes
RIC-147	Input cable, Banana - BNC (High voltage)	N/A	N/A	Yes	Yes



High performance software with useful functions for the PC (GL100_240_840-APS)



■ Supports GL840, GL240, GL100

Up to 10 units of GL840, GL240 and GL100 can be connected to 1 PC simultaneously. Up to 1000 channels are supported.

■ Controls settings for GL840, GL240, GL100

■ Various measurement screen

Displays data in Y-T waveform, digital monitoring, statistical calculation result. The direct-Excel function enables captured data to be written directly to an Excel file.



■ File operation

Data captured in multiple files can be merged into a single file. Using the *combine* function, data can be imported as a new channel overlaying on top of each other. The *bind* function connects the data in a time axis. When using the relay capture mode, the bind feature will append multiple files together into one large, continuous file.

■ Useful functions

Scheduling function

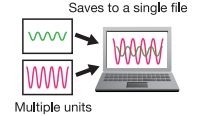
Create a schedule for your monitoring to start and stop at selected time, and set an automatic measurement schedule.

Group function

Multiple units can be managed, such as controlling start or stop simultaneously. Data captured by each unit is saved in a single file.



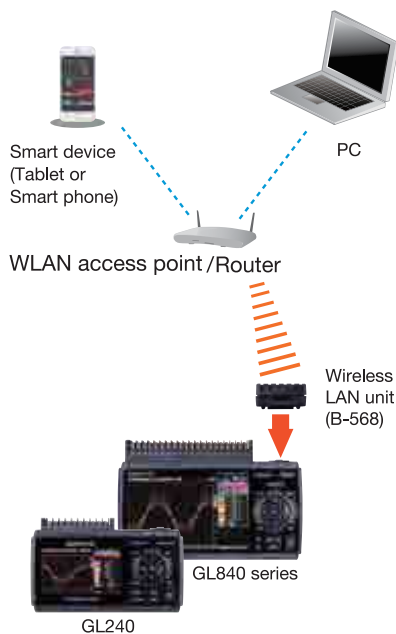
Schedule table is able to create easily using mouse.



■ Data format conversion

Converts the GBD (Graphtec Binary Data) format to CSV format. The file size is reduced using the compression function saving a value at particular time point of a specified interval. Or, it will save the average, maximum, or minimum values from the specified time interval as the highlighted values.

High quality performance and measurement software with useful functions for the PC & smart device environment



For PC (GL100_240_840-APS)

Software for the PC is included as a standard accessory.

■ Monitor and save captured data remotely

■ Control the GL840/GL240

■ Additional functions

- Scheduling function
- Group function
- Data format conversion
- File operation
- And more!

For Smart device (GL-Connect)

Apps for the smart devices are available on the Android OS and iOS platforms. Download them free from the individual stores.

■ Monitoring captured data

Real time captured data* can be displayed as digital values in real time on the smart device apps. The saved data on the GL840/GL240 main body can also be displayed in waveform display format.

* Captured data will not be saved on the smart device.

■ Set and control simple functions

Dedicated control features allow remote start and stop, setting the sampling interval, and setting the alarm conditions.

■ Control the settings remotely

Web server function of the GL840/GL240 allows remote control and monitoring using this application.



Please type "graphtec" to search for the app.

- Due to the possibility of equipment or PC failure, data files on the instrument is not guaranteed to be stored on the memory. Please backup your data 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.

⚠ Use equipment correctly and safely! • Use only in accordance with product's user manual
• To avoid malfunction or an electric shock by current leakage or voltage, please ensure a ground connection and use according to the specification.

GRAPHTEC
Graphtec America, Inc.
17462 Armstrong Avenue
Irvine, CA 92614

WEBSITE: www.graphtecamerica.com/instruments

