

GL240 Compact size data logger



All channel Isolated/Universal input, Standalone Multi-Channel

Its compact size contains an isolated input system which ensures that signals are not corrupted by inputs to other channels, thus eliminating wiring concerns. The GL240s multi-type inputs are suitable for voltage, temperature, humidity, pulse, and logic signals, enabling combined measurements of different phenomena like temperature/humidity and voltage.

Voltage	20mV - 100V , 1-5 V/F.S.
Thermocouple	Type: K,J,E,T,R,S,B,N, and W(WRe5-26)
Humidity	0 to 100% RH- using the humidity sensor (option B-530)
Pulse	4ch Rotation count (RPM), Accumulating count, Instant count
Logic	4ch

Maximum sampling interval of up to 10ms

Provides faster sampling rates for voltage measurements. You are able to achieve up to 10ms sampling speed when limiting the number of channels in use.

Sampling Interval		10ms	20ms	50ms	100ms	200ms	500ms	1s	2s
Number of channel		1	2	5	10	20	50	100	200
Measuring	Voltage	•	•	•	•	•	•	•	•
	Temperature	-	-	-	•	•	•	•	•

Supports large-size SD memory card for reliable long term measurement

New GL240 series carries two SD memory card slots for storage device. The SDHC type SD memory card is supported up to 32GB. 4GB SD memory card comes as a standard accessory installed in the first slot.

the captured data can be stored in GBD(Graphtec binary data) or CSV file format.

Sampling	10ms	50ms	100ms	200ms	500ms	1s	10s
GBD format	41 days	88 days	103 days	207 days	Over 365	Over 365	Over 365
CSV format	3 days	11 days	16 days	36 days	91 days	182 days	Over 365

*Figures are approximate. File size of captured data is 2GB in GBD or CSV file format on this chart.

Sampling interval is limited by the number of channels in use.(10ms:1ch, 50ms:5ch, 100ms:10ch)

Ring capture function



The most recent data is saved when the memory is configured in ring memory mode. (Number of capturing data is 1000 to 2000000 points)

Relay capture function



Data is continuously saved to multiple files up to 2GB without losing any data until capturing is stopped when the memory is configured in the relay mode.

Hot-swapping the SD memory card



SD card can be replaced during data capturing when the sampling interval is 100ms or slower.

Useful functions

Alarm output function



Based on set conditions for each channels, alarm signal can be placed using the four channel alarm output ports.*

*Input/Output cable(B-513 option) is required to connect the alarm output ports to external buzzer/light mechanism.

USB drive mode



USB drive mode function enables data to be transferred to the PC from GL240 by drag&drop feature.

Easy-to-read 4.3-inch wide color LCD



Carries a clear 4.3-inch wide TFT color LCD screen (WQVGA : 480×272 dot) for the GL240. Monitoring data are displayed in waveform or digital form option. Parameter settings can be displayed on the screen.

3 Types of power source



Choose from AC power supply, DC supply* or the rechargeable battery pack.*

*DC power drive cable(B-514) and battery pack(B-569) are optional accessories.

Networking features



WEB&FTP server function

GL240 can be controlled externally via a network on the WEB browser, which also supports monitoring and transfer of signals and captured data.

FTP client function

Captured data is periodically transferred to the FTP server for backup.

NTP client function

The clock on the GL240 is periodically synchronized with the NTP server.

*The GL240 needs to be connected to a LAN environment using the available WLAN ports for above functions.