GL260 midi LOGGER
Compact Standalone Datalogger
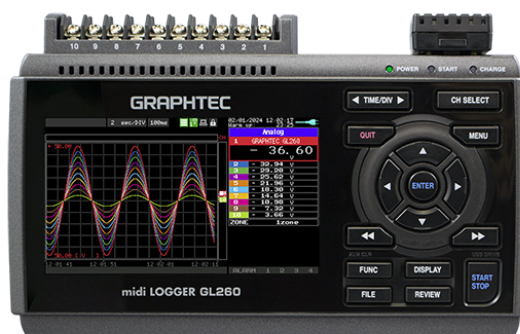
EVOLUTION - Simple, Useful, Portable

■ NEW FEATURES

- Alarm History Function
  - Easy search of abnormal event dates and times history
- Enhanced CH to CH Calculation Function
  - New calculation functions have been added
- Memory Loop Function
  - Enables recording for longer periods of time

■ NEW SERVICE

- G-REMOTE / New service using cloud server
  - Remote Control Service
  - Data Storage Service

GL260_q_KE10950_1D

■ 8GB MEMORY FOR RELIABLE LONG-TERM MEASUREMENT

Recording time example (when only 10 analog channels are used, 2 GB recorded)*1

Sampling Interval*2	10ms	50ms	100ms	200ms	500ms	1s
GBD Format	41 days	88 days	103 days	207 days	Over 365	Over 365
CSV Format	3 days	12 days	18 days	36 days	91 days	182 days

*1:   Recording times are approximate.
*2:   Depending on the sampling interval, the number of channels are limited. 10ms: 1ch, 20ms: 2ch, 50ms: 5ch

■ MAX SAMPLING INTERVAL OF UP TO 10ms

By narrowing down the number of channels, enabled to record data in max. 10 ms.

Sampling Interval		10ms	20ms	50ms	100ms
Number of CHs		1	2	5	10
Measuring	Voltage	✓	✓	✓	✓
	Temp.	—	—	—	✓

■ SPECIFICATIONS

Item		Description	
Analog input	Number of channels	10ch / Screw terminal (M3)	
	Type	Scans channels for sampling, All channels isolated, balanced input	
	Measurement range	Voltage: 20mV - 100V, 1-5V F.S.	
		Thermocouple: K, J, E, T, R, S, B, N, C and (the old W: WRe5-26)	
		Humidity: 0 - 100% (optional item B-530 is required)	
	Filter	Off, 2, 5, 10, 20, 40 (moving average in selected number)	
	Max. input voltage	Between(+) / (-) terminal	20mV - 1V range: 60V p-p
			2V - 100V range: 110V p-p
		Channels ((-) / (-)): 60 V p-p	
		Channel / GND: 60 V p-p	
External input (*1)	Number of channels	Trigger of Sampling (1 channel), or External Sample Inputs 1ch	
		Logic / Pulse (4 channel)	
	Pulse input	Rotation count (RPM) mode(*2), Accumulating count mode,	
		Instant count mode	
		Max. input frequency: 50kHz / Max. count: 50kc / sampling	
External output (*1)		Alarm output: 4ch	
Scaling function		Analog channel, Pulse channel	
Sampling interval		10ms - 1h (10ms to 50ms: voltage only, limited number of CH), External signal	
A/D converter		Δ Σ type, 16Bit (effective resolution: 1/40,000 of ± range)	
PC I/F		USB2.0, wireless LAN (optional item B-568 is required)	
Storage medium (*3)	Storage	Built-in memory: approx. 8GB, SD card slot: 1	
	Data format	GBD / CSV	
Capturing mode		OFF (default), Ring, Relay	
Other functions		Calculation function, Trigger, Alarm function, Data backup function(*4)	
Display		4.3" TFT (WQVGA: 480 x 272 dots)	
Operating environment (*5)		0 - 45℃, 5 - 85% RH	
Power source	AC adaptor	AC100 - 240V / 50 - 60Hz	
	DC input	DC8.5 - 24V (optional item B-514 is required)	
	Battery pack	DC7.2V(2875mAh/2900mAh) (optional item B-573/B-569)	
Power consumption		Max. 36VA (when AC100V)	
Dimentions		188(W) x 117(D) x 42(H) mm	
Weight		500g (excluding AC adaptor and battery pack)	
Vibration resistance		Equivalent to Automobile parts Type 1 Class A	

■ CLOUDE SERVICE (G-REMOTE)

(*Additional charge for use)

Item	Description
Supported OS (*6)	Windows11/10
Supported WEB browser	Google Chrome (reccomended), Microsoft Edge, Firefox
	(*Internet browser supporting HTML5)
Service content	<Remote control service>
	Easy remote control and confirmation of measurement data
	from G-REMOTE on a browser via an Internet connection
	<Data save service>
	Storing data on Graphtec cloud servers via Internet connection
	*It will be available soon. Please contact us for more information.

Version | 06.2024

■ OPTIONS

Item	Model No.	Description
GL wireless LAN unit	B-568	Standard: IEEE802.11b / g / n Communication distance: approx. 40m(Depends on the situation
Battery pack	B-569 / B-573	1 unit: 7.2V/2900mAh / 7.2V/2875mAh
Input/Output cable for GL	B-513	2m long (no clip on end of cable)
DC drive cable	B-514	2m long (no clip on end of cable)
Humidity sensor (*7)	B-530	3m long (with power plug)
Storage case for midi Logger series	B-581	Supported RoHS Directive
Ultrafine K type thermocouple	ST-55K-TC-1.2M	tip wire φ0.127, 0.5X0.7X200mm, relaying 1m, -40 - 260℃, class 2, 5 units
Shunt resistor 250Ω	B-551-10	$\pm$250 Ω (0.1%), Rated power of 1 W, Maximum operating voltage15.8V
AC adapter for GL260	ACADP-20	AC adapter for maintenance

■ SOFTWARE SPECIFICATIONS PC

Item	Description
Supported OS (*6) GL28-APS	Windows11/10
	PC for date logger settings, data recording, storage, playback
	Supported models: GL260/GL840/GL240
	Connectable units / channels: Max. 10 units / 1,000ch
GL-Connection	GL Series Integration Software
	PC for date logger settings, data recording, storage, playback
	Supportd models: GL7000/GL2000/GL980/GL840 GL240/GL260/GLT400
	Connectable units: 20
	Max. 2000ch

CALIBRATION-RELATED DOCUMENTS (PRODUCTION DATA)

Item	Code
TTEST CERTIFICATE	B-TEST
TRACERBILITY CHART	B-TRACE
CALIBRATION CERTIFICATE	B-CAL

*Documents ordered at the time of product purchase are data at the time of manufacture.
*Please visit calibration services section of our website for details.

*1: Input/Output cable for GL (option B-513) is required.
*2: The pulse count mode counts the number of pulses per sample interval and
    converted to revolutions per minute.
*3: Recorded in 2GB per file, SD cards available.
    *Supported SDHC, up to approx. 32GB memory
*4: If the ring setting and external sampling function is ON, the backup function is not available.
    If the backup destination is FTP, GL wireless LAN unit(B-568) is required.
*5: When operating with battery pack 0 to 40 ºC, charging battery 15 to 35 ºC
*6: OS that are no longer supported by the OS manufacturer are not supported by Graphtec.
*7: Available temperature range: -25℃～+80℃(Special order/ 10m, 15m, 20m avilable)
*8: Specifications are subject to change without notice as this is a commercial product.

• 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 back up of data whenever possible to avoid data loss.
• Brand names and product names listed in this brochure are the trademarks or registered trademarks of their respective owners.
• Items mentioned are subject to change without notice. For more information about product, please check the web site or contact your local representative.

Version | 06.2024

Althen – Your expert partner in Sensors & Controls | althensensors.com
Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

Germany/Austria/Switzerland	Benelux	France	Sweden	USA/Canada	Other countries
info@althen.de	sales@althen.nl	info@althensensors.fr	info@althensensors.se	info@althensensors.com	info@althensensors.com