



GL980 MIDI LOGGER

Isolated simultaneous 8 channel data logger

High speed 1 MS/s datalogger with voltage and temperature measurements

Multifunction input on 8 isolated channels including true-RMS value measurement

Voltage	20 mV to 500 V DC, 1-5 V DC 10 mV to 250 V rms	Pulse	4 channels (*1) Accumulating, instant or RPM
Temp	Thermocouples: K, J, E, T, R, S, B, N, W (WRe5-26)		
Humidity	0 to 100% (the B-530 option is required)	Logic	4 channels (*1)

Safer input terminal

Isolated BNC and screw terminal for each channel.



Available input signal cable

Isolated Banana -BNC
KA-BNC-BA4
(1KV CAT II, 600V CAT III)



Clip, Alligator (middle)
ADAPAK2B-SB4 (*3)
(300 V, CAT II)



Input/Output cable for GL series
B-513 (*1)



Humidity sensor
B-530



TK-midi-6



*1: Select either Pulse input or Logic input, and use the optional input/output cable for GL (B-513 option).
 *2: Numbers are approximate and under the following conditions.
 - Using 8 channels of analog input only and data is saved as a GBD file.
 - External memory device is set to SD flash memory card or USB flash memory with 8 GB or more data capacity.
 - File size of captured data is up to 4GB.
 *3: Used with KA-BNC-BA4.



Additional memory function

Long term recording capability 4 M sample/ch built-in RAM and 4 GB built-in Flash memory. Continuous measurement supports up to 4 GB per file.

Memory type (*2)	1MS/s (1µs)	100kS/s (10µs)	1kS/s (1ms)	1S/s (1s)
Built-in RAM (4 M samples/ch)	4 seconds	40 seconds	66 minutes	46 days
Built-in Flash memory (3.9 GB)	N/A	N/A	3 days 19 hrs	Over 1 year
External memory (SD/USB Flash memory)	N/A	N/A	4 days 3 hrs	Over 1 year

Large built-in RAM (4 million samples per channel)
Built-in RAM can divide into 1, 2, 4, or 8 blocks supporting continuous high-speed recording measurement with auto backup on the internal flash memory or USB.

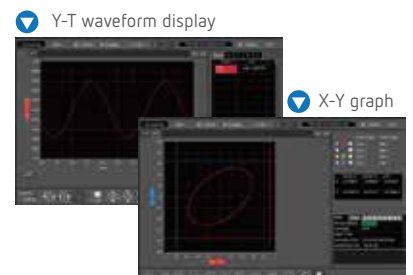
Dual external recording available through USB and SD Card Flash memory
Both the USB Flash memory device and the SD Flash memory card can be used as external storage device for captured data.

High performance and easy to use software for PC

Standard software: GL 980_2000-APS

- Easy connection made possible with automatic search function for connected device.
- Multiple display format using Y-T graph, X-Y graph and digital values.
- Supports real time data transfer up to 1 ms sampling interval. Captured data from the built-in RAM can also be displayed.
- Captured data saved in binary format can convert to CSV format.

Functions
Configure GL unit
Control GL unit
Real-time data display
Replay saved data
Data format conversion





Main unit specifications table with columns: Item, Description. Includes sections for External input/output, Trigger function, Alarm function, Calculation function, Scaling, Storage device, Capturing mode, Action during data capture, Display, Interface to PC, Operating environment, Power source, Power consumption, External dimensions, Weight, and Vibration resistance.

Analog input specifications table with columns: Item, Description. Includes sections for Type of input terminal, Input method, Sampling speed, Frequency response, Measurement range, Filter, and A/D converter.

External input/output specifications table with columns: Item, Description. Includes sections for Input signal specification, Logic measurement, Pulse measurement, External trigger input, External sampling input, and Output signal.

Software specifications table with columns: Item, Description. Includes sections for Model name, Supported OS, Functions, Supported device, Settings control, Transfer of captured data, Displayed information, File operation, Dual screen function, and Statistical calculation.

Standard accessories table with columns: Item, Description. Lists AC adapter with power cable, Quick Start Guide, CD-ROM, and Rubber protector.

Options and Accessories table with columns: Item, Model number, Description. Lists various cables, sensors, resistors, brackets, carrying cases, and input cables.

- *1: Select either Logic input (4 channels) or Pulse input (4 channels), select either external Trigger input or Sampling input. Required Input/Output cable for GL series (B-513) option for connecting signal.
*2: Select either Trigger output (1 channel) or Alarm output (1 channel). Available 3 channels Alarm output always. Required Input/Output cable for GL series (B-513) option for connecting signal.
*3: Not available with logic input.
*4: Saved contents in built-in RAM: Captured data. Saved contents in built-in Flash, USB memory or SD memory card: Captured data, Setting conditions, Screen copy.
*5: When using built-in RAM, 10000 to 4000000 points.
*6: Standard USB memory devices are required.
*7: Required two batteries (B-569) packs when in battery mode.
*8: Connections can be made individually to BNC terminal or M3.5 screw terminal.
*9: Required Input/Output cable for GL series (B-513) option for connecting signal.
*10: Input signal specification for Trigger or Sampling; Voltage range: +5 to +30 V (common ground); Threshold: Approx. +1.9 V; Hysteresis: Approx. 0.2 V (+1.9 to +2.1 V)
*11: Graphtec does not support software/driver used with operating systems that have become obsolete and are no longer supported by the OS developer. In the Windows 7, edition of Ultimate, Enterprise, Professional and Home Premium are supported.

- Due to the possibility of equipment or PC failure, the data files on the instrument are not guaranteed to hold memory. Please make a backup 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.
• Specifications and details are subject to change without notice. For additional information, please check our 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 ground connection and use according to the specifications.

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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Germany / Austria / Switzerland info@althen.de

Benelux sales@althen.nl

France info@althensensors.fr

Sweden info@althensensors.se

USA / Canada info@althensensors.com

Other countries info@althensensors.com