Extensive lineup adapted to a wide variety of applications

Instrument Product Line-up

https://www.logicbus.com/Graphtec-America-Inc_bymfg_146-7-1.html
**Data Logger**

**Isolated input, multi-channel logger**

**midi LOGGER**

**GL840 series**

- Multi-function analog inputs
  - Voltage: 20 mV to 100 V
  - Temp: 0 to 100°C
  - Humidity: 0 to 100%RH
  - Pulse: 4mA (Accumulating, Instant, or Rotation)
  - Logic: 4mA

- Expandable input terminals up to 200 channels in GL840

- Support the GS sensors in GL840
  - Temperature, acceleration, and others can be measured using the GL sensors.

**PetitLogger GL100 series**

- Supports a wide array measurement by exchanging the sensor
- Connecting to the PC or smart device via a WLAN
- Driving by a battery or USB bus power

**10 channel handy type logger**

**midi LOGGER**

**GL240**

- Multi-function analog inputs
  - Voltage: 20 mV to 100 V
  - Temp: 0 to 100°C
  - Humidity: 0 to 100%RH
  - Pulse: 4mA (Accumulating, Instant, or Rotation)
  - Logic: 4mA

- Expandable up to 200 channels in GL840

- Combining GL100 and GL840 by using WLAN

**PetitLogger GL100 series**

- Supports wide array measurement by exchanging the sensor
- Connecting to the PC or smart device via a WLAN
- Driving by a battery or USB bus power

**GS sensors**

The sensor is connected to the GS sensor port of the GL840 and GL100.
Data Logger / Data Acquisition

High-speed High-Voltage Isolated 4 channel Data Logger

**midi LOGGER HV GL2000**

- **Multifunction analog inputs**
  - Voltage: 50 mV to 100 V DC, 15V DC
  - Input: 10 mV to 1000 V DC
  - Temp: 0°C to 50°C (0°C to 100°C is recommended)
  - Humidity: 0 to 100% relative humidity (0 to 90% option is recommended)

- **Pulse/Logic inputs**
  - Pulse: 4 channels (N)
  - Logic: 4 channels (N)

- **4-ch High Speed Simultaneous Sampling**
- **CAT III 300V Compatible**
- **Measure AC 600 V Measurement with True-rms**
- **Built-in High-capacity RAM (4 M sampling/ch) and Flash memory (4 GB)**
- **Large Easy-to-read 7-inch LCD**

**NEW**

**Isolated simultaneous 8 channel data logger**

**midi LOGGER GL980**

- **Multifunction analog inputs**
  - Voltage: 50 mV to 100 V DC, 15V DC
  - Input: 10 mV to 1000 V DC
  - Temp: 0°C to 50°C (0°C to 100°C is recommended)
  - Humidity: 0 to 100% relative humidity (0 to 90% option is recommended)

- **Pulse/Logic inputs**
  - Pulse: 4 channels (N)
  - Logic: 4 channels (N)

- **8-ch High speed simultaneous sampling**
- **Includes 500 V measurement with 16-bit A/D converter**
- **Equipped with true-rms measurement**
- **Large built-in RAM (4 M sampling/ch) and built-in Flash memory (4 GB)**
- **Large easy-to-read 7-inch LCD**

**NEW**

**Modular Type Data Acquisition Unit**

**DATA PLATFORM GL7000**

**Supported touch panel**

*Example, the option of 6 modules and the display are installed.*

<table>
<thead>
<tr>
<th>Module Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage Module</strong></td>
<td>GL7-V</td>
</tr>
<tr>
<td><strong>Temperature/Moisture Module</strong></td>
<td>GL7-M</td>
</tr>
<tr>
<td><strong>High speed Voltage Module</strong></td>
<td>GL7-HSV</td>
</tr>
<tr>
<td><strong>High Voltage Module</strong></td>
<td>GL7-HV</td>
</tr>
<tr>
<td><strong>DC Strain Module</strong></td>
<td>GL7-DCC</td>
</tr>
<tr>
<td><strong>Charge Module</strong></td>
<td>GL7-CHA</td>
</tr>
<tr>
<td><strong>Voltage Output Module</strong></td>
<td>GL7-DCC</td>
</tr>
<tr>
<td><strong>Logic/Pulse Module</strong></td>
<td>GL7-LP</td>
</tr>
<tr>
<td><strong>SSD Module</strong></td>
<td>GL7-BBD</td>
</tr>
<tr>
<td><strong>Display Module</strong></td>
<td>GL7-DSBP</td>
</tr>
</tbody>
</table>

*Optional input or output cable is required.*

---

**Options and Accessories**

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-012</td>
<td>Input/Output cable (2: GL980-8G)</td>
</tr>
<tr>
<td>B-014</td>
<td>DC drive cable</td>
</tr>
<tr>
<td>S-020</td>
<td>Humidity sensor</td>
</tr>
<tr>
<td>S-065</td>
<td>Input terminal (4ch type)</td>
</tr>
<tr>
<td>S-095</td>
<td>Input terminal (600 V type)</td>
</tr>
<tr>
<td>B-007</td>
<td>Input terminal (4ch type)</td>
</tr>
<tr>
<td>B-005</td>
<td>Input terminal (100 V type)</td>
</tr>
<tr>
<td>B-005</td>
<td>Input terminal (100 V type)</td>
</tr>
<tr>
<td>S-095</td>
<td>Battery pack</td>
</tr>
<tr>
<td>AGC00-20</td>
<td>AC power adapter</td>
</tr>
<tr>
<td>RC-13A</td>
<td>Power plug for Logic input</td>
</tr>
<tr>
<td>RC-14A</td>
<td>Supply cable, 500V-DIN</td>
</tr>
<tr>
<td>RC-14B</td>
<td>Supply cable, 500V-DIN</td>
</tr>
</tbody>
</table>

---

*Select either Pulse input or Logic input, and use the optional input/output cable for GL (B-013 option).*
Product selection guide

There are a wide variety of measurement as faster signal in the vehicle and equipment test, or slower signal like the temperature in the environment test. The device to capture the signal needs to be selected to fit the required application.

* Please refer to the inside page of this document for details on each product.

**Measuring signal**

Start

To measure two phenomena

- Temp./Humidity & CO₂
- Temp./Humidity & Illuminance/UV

To see the measured signal with a digital value in real time

- Temperature or Humidity
- Carbon dioxide (CO₂)
- Illuminance or UV
- Acceleration (Tri-axial)

Voltage & Temp. (thermocouple)

Thermistor (temperature)

AC current

To see the measured signal with the trend graph in real time

Voltage measurement

- Hi-speed signal (High voltage)
- Hi-speed signal (Sampling up to 100 μs)
- Low-speed signal (Sampling up to 10 ms)

Temperature measurement

- Required number of channels
  - 1 to 4 channels
  - 1 to 6 channels
- High withstand voltage
- No

Voltage, Temp., & Others (direct connection of sensor)

Sensors (Strain type)

Sensors (Piezoelectric)

Logic / Pulses Input

Voltage Output

- Voltage
  - High voltage 100 V to 1000 V

- Temperature

- Sensors

- Voltage

- High voltage 100 V to 1000 V

- Simultaneous sampling
- No
- Yes

- Speed up to 1 MHz (1 μs)
- Speed up to 1 μs (1 μs)
- Speed up to 100 μs (10 ms)

GL100 + GS-DPA + GS-TH + GS-CO₂
GL100 + GS-DPA + GS-TH + GS-LXUV
GL100 + GS-DPA + GS-CO₂ + GS-LXUV
GL100 + GS-TH
GL100 + GS-CO₂
GL100 + GS-LXUV
GL100 + GS-IVT
GL100 + GS-ITSR
GL100 + GS-DPA-AC + AC current sensor
GL2000
GL980
GL840-WV
GL840-M
GL240
GL7000 + GL7-HV
GL7000 + GL7-HSV
GL7000 + GL7-V
GL7000 + GL7-M
GL7000 + GL7-DCB
GL7000 + GL7-CHA
GL7000 + GL7-LP
GL7000 + GL7-DDC

* 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.

* 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.

⚠️ For using equipment in correctly and safely

- Before using, 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 leaking or voltage, please ensure a ground connection and use according to the specification.