**GL900 main unit specifications**

- **Terminals and connections**
  - Input terminals: 8 channels
  - Output terminals: 4 channels
  - Input mode: 8-channel, 16-bit resolution
  - Output mode: 4-channel, 16-bit resolution

- **Power**
  - AC adapter: 100 to 240 VAC, 50 to 60 Hz
  - DC input: 8.5 to 24 VDC

- **Display**
  - 5.7-inch TFT color LCD
  - Display screens: Waveforms + digital values, enlarged waveforms, digital values + calculation results, X-Y device

- **Alarm output**
  - Number of channels: 4
  - Open collector output (5V, 10 kΩ pull-up resistance)

- **Alarm setting functions**
  - Rising, Falling, Window In, Window Out

- **Time functions**
  - Date and time, daily cycle, hourly cycle

- **Sampling and conversion**
  - Sampling interval: 10μs to 1 min
  - Conversion: Binary, CSV

- **Supported OS**
  - Windows 2000, Windows XP, Windows Vista (32-bit and 64-bit versions)

**Digital clamp meter specifications**

- **Current**
  - DC: 0 to 400A / 0 to 2000A
  - AC: 0 to 400A / 0 to 2000A

- **Temperature**
  - K-type thermocouple: -200°C ≤ TS ≤ -100°C ±3.7°C
  - J-type thermocouple: -200°C ≤ TS ≤ -100°C ±(0.05% of rdg +3.0°C)
  - E-type thermocouple: -200°C ≤ TS ≤ -100°C ±(0.05% of rdg +3.0°C)
  - B-type thermocouple: 400°C ≤ TS ≤ 600°C ±5.5°C

- **Voltage**
  - Between input channel terminals: 60 Vp-p
  - 2 V to 500 V: ±500VDC

**Terminals block specifications**

- **Power supply**
  - DC input: 8.5 to 24 VDC

**Software specifications**

- **Operating system**
  - Windows 2000, Windows XP, Windows Vista (32-bit and 64-bit versions)

**Options and accessories**

- **Safe probe** (RIC-141)
- **BNC-BNC cable** (RIC-112)
- **BNC banana plug cable** (RIC-113)
- **BNC alligator clip cable** (RIC-114)
- **Rod-shaped K-type thermocouple** (RIC-410)
- **K-type thermocouple for static surfaces** (RIC-420)
- **Humidity sensor** (B-530)
- **DC drive cable** (RIC-430)

**Multifunction input on eight isolated channels**

- High-speed simultaneous sampling on eight channels, 16-bit resolution
- Equipped with a large-format 5.7-inch color LCD for easy-to-read waveform display

**Data can also be saved to PC-friendly USB memory sticks**
In compliance with various test requirements, this data logger is capable of performing high-speed simultaneous measurements of voltage, temperature, and various other phenomena.

**Easy-to-use upright high-speed isolated 8-channel multifunction logger**

An easy-to-use upright device enabling isolated 8-channel multifunction input, the GL900 is capable of performing high-speed simultaneous measurements of voltage, temperature, and various other phenomena.

- **Input**: 300 mV to 50 V, 0 to 100% (the B-530 option is required)
- **Channels**: 4 channels, Count, Inst., RPM

**High-voltage measurement capability**

The wide 500 V range enables 100 to 240 VAC power supply voltage waveform measurements. Using logic input and a clamp meter simultaneously allows measurement of a device’s power supply voltage and current concurrently with sequential control of various points.

**Built-in, large-format 5.7-inch color LCD for easy-to-read waveforms**

The bright, easy-to-read large-format 5.7-inch color TFT LCD provides vivid, easy-to-read waveform displays. Cursor keys enable fast, easy control and setup. The waveform display can be scrolled at high-speed - 10 ms/DIV.

**Data can be captured to PC-friendly USB memory sticks**

Long-term data can be captured directly to a USB memory stick at sampling intervals of from 1 ms up to 1 min. For high-speed sampling at intervals faster than 1 ms, up to one million data points can be captured internally (RAM).

Example of 8-channel analog measurement

High-precision temperature measurement even during high-speed sampling

Let users perform high-precision temperature measurements even during high-speed sampling – ideal for performing combined voltage and temperature measurements.

**Can be used as an X-Y recorder**

The GL900 reproduces analog X-Y recorder movements and provides the illusion of pen up/down movements. It can also be used as a 4-pen X-Y recorder. The digital data format facilitates post-measurement configuration of data values and report creation.

**Comprehensive built-in trigger and timer functions**

Using a combination of trigger and timer functions eliminates superfluous data and enables capture of only the required data.

**Easy PC measurement via USB; remote monitoring via Ethernet**

The USB and Ethernet connections enable transfer of captured data to your PC and setup and control of the GL900 from a PC, even without the PC software provided standard with the GL900.

**Free Running display for waveform-checking**

The Free Running display lets users check input signal waveforms even before measurements begin. Since waveforms are displayed on each setup screen, users can make settings while viewing the waveforms.

**Dedicated software for real-time data capture**

Three measurement screens are provided to allow selection of the screen that best suits measurement needs. The Replay screen provides a Zoom screen feature to enable enlarged display of specific sections of long-term measurement data.

**Easy-to-use upright high-speed isolated 8-channel multifunction logger**

midi LOGGER

GL900

**High-speed isolated 8-channel multifunction logger**

**Data can be captured to PC-friendly USB memory sticks**

**Can be used as an X-Y recorder**

**Comprehensive built-in trigger and timer functions**

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**Dedicated software for real-time data capture**