

Extensible Data Acquisition Unit DATA PLATFORM GL7000 Amplifier Unit Selection Guide

GL7000 features

- The amplifier module can be expanded to accommodate a wide variety of measurements. (Amplifier can be attached to up to 10 modules)
- Attaching the high-definition display module with a touch panel allows both stand-alone operation and embedding into a system.
- 2 interfaces to connect the GL7000 to your PC : USB 2.0, Ethernet.
- 4 destinations to save the recording data. (Built-in RAM, Built-in Flash memory, SD memory card, and SSD module)
- Software for high performance and easy operation (GL-Connection)



Flexible amplifier module combination allows wide range of measurements

Voltage Module GL7-V



Voltage 10ch/unit	MAX 1kS/s (1ms)	Simultaneous sampling Isolated	Voltage measurement for sensor output and battery cell. (Displacement, Pressure, Wind speed, etc)
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- 1kS/s Simultaneous sampling
- 10 channels / unit
- Maximum input voltage 100V

Voltage/Temperature Module GL7-M



Voltage/ Temperature 10ch/unit	MAX 100S/s (10ms)	Sigma-Delta type A/D converter Isolated	Measurement of internal temperature and working voltage of samples within an environmental test chamber.
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- 10ms / 10ch High speed scan method
- 10 channels / unit
- Variety of input types (Voltage, Thermocouple, RTD)

High Speed Voltage Module GL7-HSV



High Speed 4ch/unit	MAX 1MS/s (1μs)	Simultaneous sampling Isolated	Inverter measurement. Vibration Testing, Drop test
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- 1MS/s High speed simultaneous sampling
- 4 channels / unit
- Maximum input voltage 100V

High Voltage Module GL7-HV



Voltage 2ch/unit	MAX 1MS/s (1μs)	MAX Input Voltage 1000V Isolated	Power supply line, Electric Vehicle battery, etc.
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- High withstand voltage (Maximum input voltage: 1,000V)
- Maximum sampling speed 1MS/s
- Real-time RMS measurement

DC Strain Module GL7-DCB

NEW



Strain Voltage 4ch/unit	MAX 100kS/s (10μs)	Strain Gauge TEDS Sensor	Strain measurement with strain gauge or strain gauge transducer
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- Built-in bridge amp enables direct connection to strain gauges
- Excitation supply for bridge circuit (Constant voltage / Constant current)
- Supports TEDS sensors

※1 Conversion connector between DSUB and screw terminal : B-560(Optional)
 ※2 Conversion cable between DSUB and NDIS : B-561(Optional)

Charge Module GL7-CHA

NEW



Charge Voltage 4ch/unit	MAX 100kS/s (10μs)	Charge IEPE	Acceleration is measured with the general accelerometer which is typically used for vibration tests.
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- Charge / IEPE / Voltage type sensor compatible
- The wide variety of filter functions allow high-precision measurements.
- Supports TEDS sensors

Voltage Output Module GL7-DCO

NEW



Output voltage 8ch/unit	MAX 100kS/s (10μs)	Recording data Arbitrary waveform	Test with arbitrary waveform for R&D and designing purposes Simulation for the experiment data
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- 8 channels / unit
- Output voltage from recorded data
- Output data can be created by dedicated software Output voltage

※3 ※3 SMA-BNC conversion cable : B-562(Optional)

Logic/Pulse Module GL7-L/P



Logic/ Pulse (16ch/unit)	MAX 1MS/s (1μs)	Simultaneous sampling	Measurement of timing, encoder output, rotation, and flow for controlled equipment
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- 16 channels / unit (4channels / 4 slots)
- Logic : 1MS/s High speed sampling
Pulse : 10kS/s High speed sampling

※4 ※4 Probe set for Logic input : RIC-10 (Option)

