



Press Release

February 14th, 2018

**Graphtec Launches GL2000 midi LOGGER HV CAT-III Rated
High Voltage High Speed General Purpose Datalogger**

Graphtec America, Inc., a wholly-owned subsidiary of the Graphtec Corporation, is excited to announce the launch of the new high voltage datalogger– GL2000 (<https://www.graphtecamerica.com/ins-products-gl2000>). Purposed for line voltage monitoring and dynamic high speed measurement applications for industrial, transportation, and manufacturing facilities, GL2000 offers a maximum input voltage rating of Category III-rated 600V True-RMS measurement in monitoring electrical signals connected to most distribution panels, circuit breakers, and heavy equipment in industrial and manufacturing facilities.

GL2000 midi LOGGER HV complies with EN61010-1:2010 3rd standard adhering to the Category III 600V working voltage (DC or AC-rms to ground) with peak transient voltage of 6000V. The unit has a withstand voltage of AC/DC 5400V for maximum 1 minute between channel-to-GND and channel-to-channel.

Measurement Category	EN1010-1:2010 Defined Working Voltage (DC or AC-rms to ground)	Peak Transient Voltage	Test Source
CAT I	600V	2500V	30 ohm source
CAT I	1000V	4000V	30 ohm source
CAT II	600V	4000V	12 ohm source
CAT II	1000V	6000V	12 ohm source
CAT III	600V	6000V	2 ohm source
CAT III	1000V	8000V	2 ohm source

“Having four insulated BNC inputs with high voltage capability with real time monitoring and data collection allows you to measure performances of your heavy equipment when utility power or noise cause disruption in the facility. Having additional monitoring parameters like temperature, humidity, and scaled voltages from proprietary sensor inputs allow a wide variety of usages from this one instruments that can do so much at a very affordable price” says Ken T. Matsunaga, Senior Sales Manager for Graphtec America, Inc.



At 1MS/sec (or 1 μ s) maximum sampling interval for simultaneous sampling on all four channels, GL2000 also functions as a portable high-speed data acquisition system with standalone and PC-connected real time measurement capability. This allows measurement of unique testing criteria for those problems and troubleshooting in research and development phases that require fine tuning of AC or DC-driven motor systems. Along with monitoring temperature, pressure, flow, and various other sensor signals, GL2000 carry pre-trigger recording feature for monitoring transient data and certain anomalies caused by anomalies in the sensor data.

Measurement Display Range	Voltage (DC)	20, 50, 100, 200, 500 mV, 1, 2, 5, 10, 20, 50, 100, 200, 500 1000 V; and 1-5V F.S. * Max. rated safety voltage: \pm 600 V DC
	DC-RMS (DC Coupling and rms value meas.)	10, 25, 50, 100, 250, 500 mV rms, 1, 2, 5, 10, 25, 50, 100, 250, 500, 1000 V rms F.S. * Max. rated safety voltage: 600 V rms <ul style="list-style-type: none"> • Crest Factor: in 1000 V range, up to 1.4 (peak: max. 850V), in other range, up to 2 • Frequency response: 20 Hz to 10 kHz • Measures the accumulated value of the DC and AC components in effective value in true-RMS range.
	Temperature	Thermocouple: K, J, E, T, R, S, B, N, W (WRe5-26)
	Humidity	0 to 100 % RH - using the humidity sensor (option B-530)
Filter (Low Pass)		Off, Line (1.5 Hz), 5, 50, 500 Hz, 5, 50 kHz (at -3dB, -6dB/oct)
A/D converter		16-bit (effective resolution: 1/40000 of the full range measurement)

GL2000 is now available for sales through authorized manufacturer’s representatives in various regions and your direct Graphtec sales staff at inst.sales@graphtecamerica.com.

“POWERING DATA ACQUISITION AT THE PALM OF YOUR HAND”

GRAPHTEC

About Graphtec America, Inc.

Established in 1949, Graphtec’s corporate philosophy emphasizes the pride every member takes in the company’s products. The pride comes through at all stages, from preliminary planning and design to final delivery. This commitment does not stop at the factory door. It extends to services and customer-support personnel around the world, because Graphtec never forgets what is at stake every time you choose one of our products. Graphtec proudly acknowledges its standing as a world leader in cutting and instrumentation technology and is committed to further enhancing its competitive strengths, product features, performance, and drive for excellence.