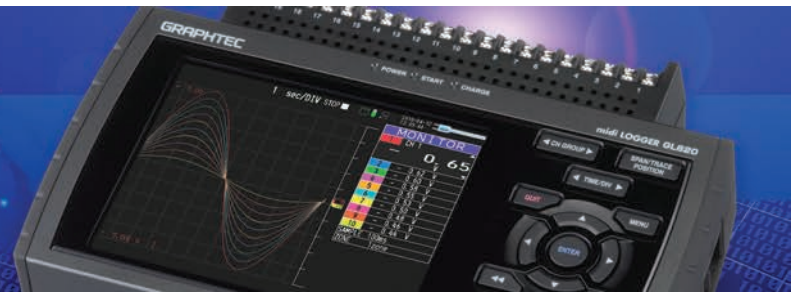
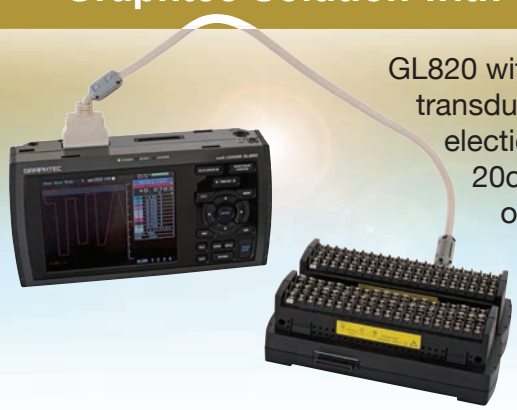
GL820 midi LOGGER

Pulse | Humidity | Voltage | Temp° T/C | Temp° RTD | Frequency



Graphtec Solution with GL820



GL820 with AC-DC transducer and electical wires for 20ch datalogging of power usage.

Key Features Implementing GL820

- Cost Effective
- Large Memory Capacity
- Real-time Monitoring & Recording
- Efficient EV Measurement Tool
- Records in Original Unit of Measurement (kW)

Electrical Power Distribution Monitoring

Measuring the distribution of your manufacturing facilities' power usages can be a costly solution as hybrid systems that involve both software integration and power line control can add up to a significant cost. This implementation requires time, money, and resources. Graphtec has been able to develop a system where a power usage can be monitored and measured using a simple 20 channel GL820 datalogger by transducing a 480VAC input to a lower voltage. The system transduces what's typically a 220V or 120V distribution within the plant to a 10 to 20VDC signal utilizing proprietary power reducing transducers and monitor the power usages based on their kW measurement.

Our 20 channel GL820 datalogger has the ability to take in any direct current (DC) voltage information between 0V to 50V and monitor the data on a maximum 100ms (1/10 of a second) interval for months and years. A one second interval using all 20 channels would be able to monitor indefinitely and record for 1,012 days without ever stopping to record. The 4GB internal memory allows a memory swap utilizing the ring memory function to update the device memory with the latest information that you are recording from the line. This allows the instrument to continuously record indefinitely by backing up the data onto an external USB drive. The engineering unit conversion feature would be able to record and display the data onto the main screen in terms of kW usage instead of having to deal with the base voltage DC signal which can be confusing to some.

By utilizing this cost reducing solution, engineers can adequately assess the usages from each specific area or line that may possibly be consuming a significant part of your power resources. By adjusting the usages based on the result of the GL820 monitoring, plant managers can properly assess the power distribution and significantly reduce the cost of their plant's electricity bill based on real time analysis and quickly responding to the changes in power distribution.

GL820 msrp is $2,295.00. Proprietary transducers are available for purchase through major industrial equipment distributors.

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