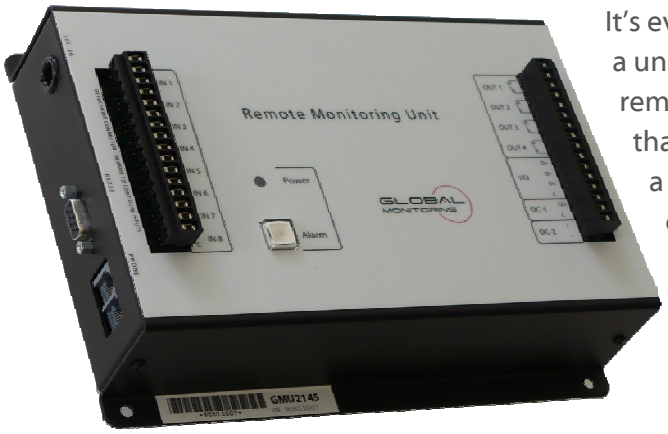
GMU8100 Global Monitoring Unit

Monitor remote facilities, equipment and environmental conditions



It's everything you want in a remote monitoring device; a unit designed to track and react to conditions at remote, unattended, or inaccessible locations; a unit that you can call from your phone for a status report; a unit that can send daily reports to your phone, fax or computer; and much more.

The GMU8100 Global Monitoring Unit is the link between you and your remote equipment, inventory and environmental responsibilities.

If it can be measured, we can monitor it.

- Temperature and Humidity
- Level, pressure and flow
- RPM and vibration
- Voltage, current and wattage
- pH, ORP and conductivity
- Wind speed and direction
- Run-time and usage rates
- Air and water quality
- Sound level
- Occupancy

Now You Can:

- Manage the usage of energy and consumables at remote or unattended facilities
- Check equipment operation to minimize downtime and improve efficiency
- Collect data for research, failure analysis, or regulatory compliance
- Monitor environmental conditions

Put a Global Monitoring Unit to work for you

Just attach sensors to measure conditions that are important to you; conditions such as temperature, vibration, level or flow. Use a laptop for simple, menu-driven configuration, and then connect a phone line or optional cellular, Ethernet or satellite interface for communication. The GMU8100 begins to record the monitored conditions and respond to anomalies.

Information the way you need it

Not near a computer when you need to check on the conditions at a remote site? No problem! The GMU8100 adapts to your needs by delivering data to your computer, or vocalizing information thru your phone, or sending a report to your fax. You can connect to the GMU8100 at any time to receive a live report of monitored conditions or have it contact you if something happens that needs your attention.

And it does more than just report on conditions!

The GMU8100 can perform a wide range of control, communication and input processing tasks. It can totalizing flow thru a pipe; track the run-time hours of a pump; control tank levels; count events; regulate temperatures; and more. You can even use it to remotely re-boot a computer or PLC.

Lowest TCO (Total Cost of Ownership)

Competitive systems may require the ongoing use of their proprietary and costly monitoring service or communications network. While the GMU8100 gives you the *option* to use a web-based reporting service, it also has the ability to communicate directly to you, your computer or your fax – eliminating that monthly fee.

The GMU8100 includes features to reduce or eliminate communication costs, and a high-efficiency power supply reduces energy consumption.

Global Monitoring can also pre-configure your GMU8100 to significantly reduce your installation and startup costs.

Global Monitoring: We're there for you!

Key Features

- 8 protected inputs that accept 4-20mA, dry-contact and 0-5VDC sensors
- Optional expansion modules to support up to 32 sensors
- 4 output relays
- Data recorder
- An event processor that detects anomalies with the monitored conditions and responds with a local alarm or outgoing message
- Battery backup (UPS) that can also provide power to your sensors and accessories

Communications

- Modem (standard)
- Voice (standard)
- Fax (standard)
- Wireless (optional)
- Ethernet (optional)

Power Options

- 90-240 VAC wall supply (standard)
- International Plug Kit
- 90-240 VAC DIN-Rail supply
- 12 VDC vehicle power
- Solar

Specifications

- Size:
  230 x 175 x 70 mm
  (9 x 7 x 2¾ inches)
- Operating temperature:
  0 to 50C (32 to 130F)
  (extended range available)
- RS232 for local access
- Input expansion
- Self contained rechargeable backup battery for hours of uninterrupted service

m2mLIVE Compliant

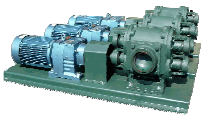
The Global Monitoring GMU8100 is fully compatible with the m2mLIVE, a web-based reporting service

Use the Global Monitoring GMU8100 for:

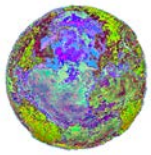
Preventive Diagnostics
Maximize equipment up-time and operating efficiency by using the GMU8100 to create a database of vital conditions such as pressure, voltage, temperature or vibration. Analyze that data to pinpoint degradations that can be corrected in a timely manner, thus avoiding costly down-time and emergency service.

Inventory Management
Check tank levels at any number of locations. Use the level readings along with usage data to reduce the occurrence of run-outs and to optimize delivery schedules.

Failure Analysis
Put the equivalent of a jetliner's "black box" on critical equipment to help you ensure that it is being properly operated and maintained. Use the collected data to help you determine the root cause of equipment failures.



Environment and Infrastructure
Use the GMU8100 to monitor air and water quality, stack emissions, noise levels and leakage. Keep tabs on landfill conditions, bridges, levies, flood control projects and sewage systems.



Energy Management
Get detailed energy-usage data for the equipment at your remote sites to help you make the policy changes and upgrade decisions that will reduce your energy costs.

Call us to discuss your application. We can suggest equipment, software and communications solutions to solve most any remote monitoring application – whether it involves one remote site or thousands.

GLOBAL MONITORING

Order from: **C A Briggs Company**
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