

# Ground Monitoring System (GMS) REF B-905137

## System Components iguard & icheck



Over 50 years of excellence in hyperbaric systems



### Next-Level Safety in Hyperbaric Care

Perry Baromedical introduces the Ground Monitoring System (GMS), an advanced solution designed to elevate safety and situational awareness in hyperbaric environments. By continuously monitoring the grounding status of both the chamber and the patient, the system provides indication of grounding status related to electrostatic discharge (ESD) risk, a critical concern in pressurized oxygen settings.

The GMS enhances reliability through a dual-monitoring approach that provides real-time feedback to clinicians. icheck indicates the chamber's grounding integrity, while iguard continuously monitors the patient's grounding connection. Together, these systems deliver clear visual and audible alerts, allowing clinicians to quickly identify and respond to any grounding fault, supporting operator awareness of grounding status during treatment.

Engineered for flexibility, the Ground Monitoring System is compatible with Perry chambers that have been manufactured over the past 20 years and integrates seamlessly with Sigma Series systems. It can be installed during production or retrofitted in the field with minimal disruption, making it a practical upgrade for both new and existing facilities.

With the GMS, Perry Baromedical reinforces its commitment to safety, innovation, and clinical confidence providing healthcare professionals with the tools they need to maintain a secure treatment environment at all times.



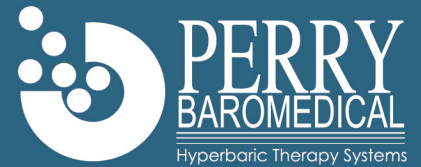
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Contact Perry Baromedical to learn more about enhancing your hyperbaric safety program

MKT-905166 Rev 0

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## Comprehensive Ground Monitoring. From Chamber to Patient.

### Advanced Ground Monitoring for Hyperbaric Treatment

### The Perry icheck™ Chamber Ground Integrity Monitor

#### What is the icheck™ system?

icheck™ monitors the hyperbaric chamber grounding status, providing indication of potential electrostatic discharge risks during treatment.

#### How it works:

- Continuously monitors the chamber's connection to ground
- Checks the electrical link between the chamber and the facility
- Detects wiring issues or loss of ground
- Triggers visual and audible alarms if a problem is detected

#### Why it matters:

- Provides indication of electrostatic discharge hazard in high-oxygen environments
- Provides visual and audible alerts to staff
- Supports awareness of grounding status during treatment

### The Perry iguard™ Patient Grounding Monitor

#### What is the iguard™ system?

iguard™ monitors the patient grounding connection throughout the treatment using a wrist strap, providing indication of electrostatic discharge risk.

#### How it works:

- Continuously checks the patient's wrist strap connection
- Monitors the electrical path between the patient and the system
- Detects if the strap is loose, disconnected, or not working properly
- Sends visual and audible alerts if an issue is detected

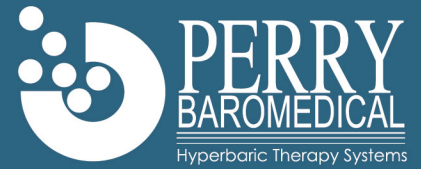
#### Why it matters:

- Provides indication of potential electrostatic discharge conditions
- Provides continuous monitoring of patient grounding status during treatment
- Builds patient safety confidence



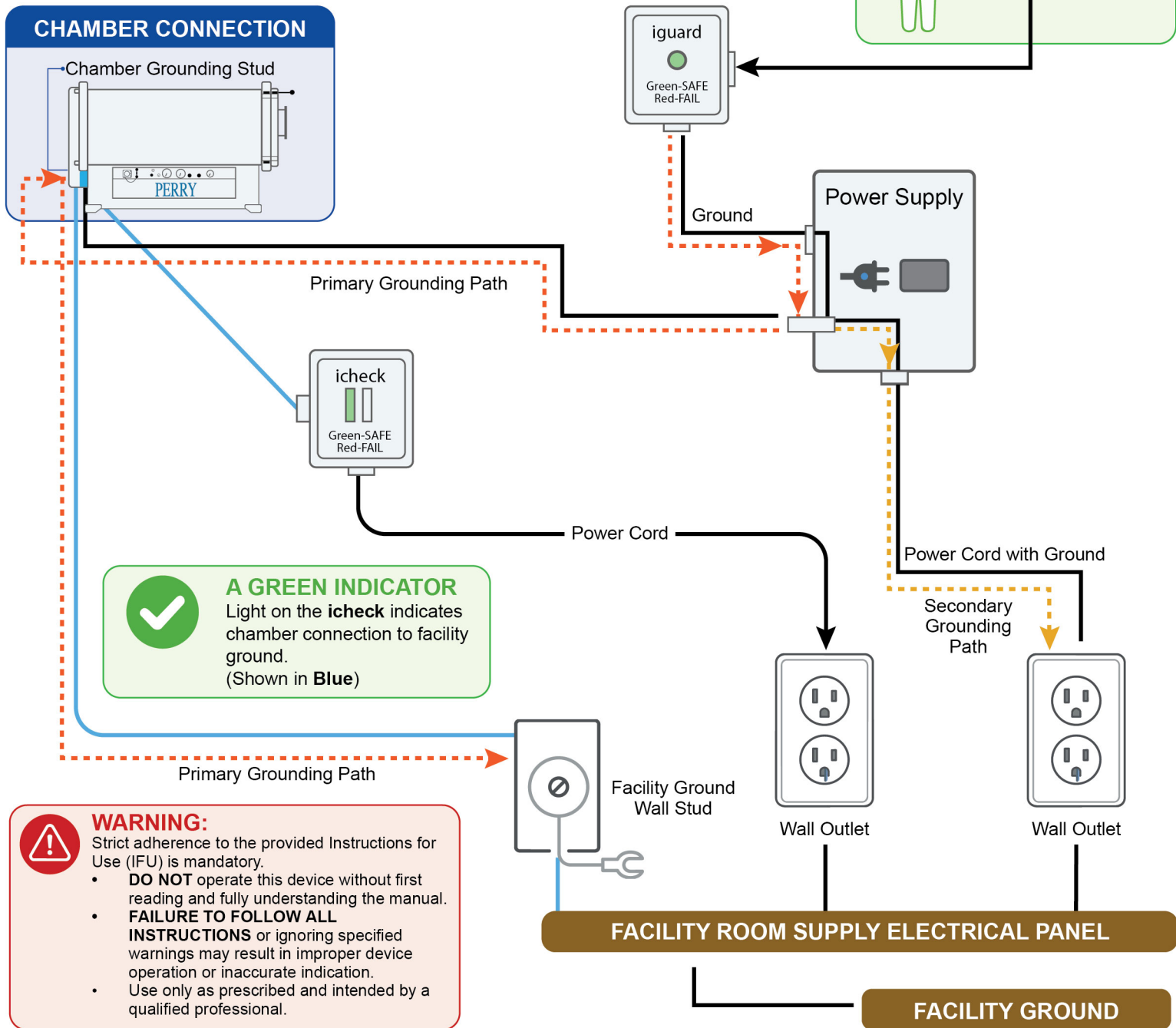
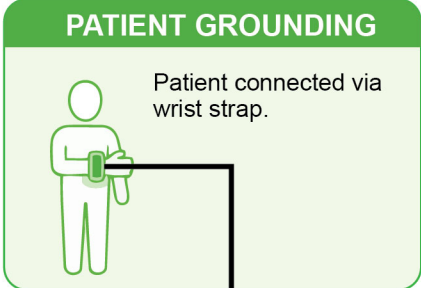
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**A GREEN INDICATOR.** The indicator light on the iguard device shows the status of the patient's grounding connection to the facility. Grounding is achieved through one or both pathways included in the system, as long as at least one grounding path remains intact.\*

\*At least one of the two grounding paths remains intact and unbroken IF the iguard has power, AND the chamber power supply remains plugged into an electrical outlet.  
If the power supply became unplugged, the light on the communications panel would start to blink yellow, indicating the system was operating on battery back-up power. This notifies the operator of a possible fault condition in the patient grounding pathways which should be investigated.



**WARNING:** Strict adherence to the provided Instructions for Use (IFU) is mandatory.

- **DO NOT** operate this device without first reading and fully understanding the manual.
- **FAILURE TO FOLLOW ALL INSTRUCTIONS** or ignoring specified warnings may result in improper device operation or inaccurate indication.
- Use only as prescribed and intended by a qualified professional.