

## HERO™ 2 RECTIFIER MONITOR

**FASTER. SMARTER. SMALLER.**

### **HERO™ 2 Rectifier Monitor.**

The Hero 2 Rectifier Monitor by OmniMetrix, has been completely redesigned to offer flexibility and convenience; without sacrificing the integrity of your pipeline. Its forward thinking modular design decreases installation time, reduces lightning surge damage and allows for easy technology upgrades. With over a 60% smaller footprint, the Hero 2 can be mounted inside the rectifier or externally in a NEMA 4X enclosure.

- Reduces inspection costs
- Rectifier output voltage and current
- Auxiliary input (Pipe-to-soil)
- Tamper indication (with NEMA 4X enclosure)
- Modular design (field replaceable components)
- Customizable

The Hero 2 Rectifier Monitor features LTE cellular or satellite connectivity to transmit data to OmniPRO, our cloud-based monitoring platform. No custom software is required. Our servers compare each unit's readings to preset, remotely programmable alarm levels and delivers alarms (email, text messages and app notifications) upon detection of parameters that are out of threshold. All of your data is accessible through any desktop, laptop, tablet or smartphone. The Hero 2 can also be equipped with optional accessories, including TapCommander™, which allows users to remotely adjust tap settings and the Flex Module, which allows monitoring of multiple rectifiers or multiple negatives with a single Hero 2 monitor.

### **BENEFITS:**

- Mobile app for convenient monitoring and control
- Monitoring extends pipeline lifetime
- PHIMSA Reporting - eliminates manual data collection costs
- Ideal for remote diagnostics and preventative maintenance
- Leverages extensive LTE cellular and satellite coverage
- Instant alarm notification via email, text and push notifications via the SmartStatus CP app



### **SPECIAL FEATURES:**

#### **GPS Interruption**

The Hero 2 includes unlimited GPS-synchronized rectifier interruptions. Interruption cycles for one or multiple rectifiers can be commanded remotely through OmniPRO or the OmniPRO app. Configurable to start in the "on" or "off" state that ensures interoperability with other non-OmniMetrix rectifier monitors. On time, off time and daily schedules are easily configured at the same time, eliminating the time and effort of installing portable interrupters at each rectifier before performing a CIS or DCVG survey.

#### **Modular Design**

The unique modular design of the Hero 2 was engineered to maximize flexibility and reduce costs. Small enough to fit inside your rectifier or mounted externally in a NEMA 4X enclosure; the choice is yours. Its separate components are easily replaceable in the field and leads to much lower lightning surge damage costs.

### **BENEFITS:**

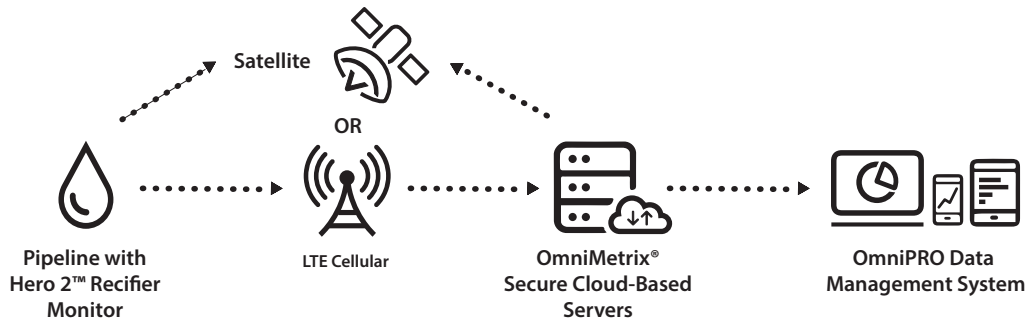
- Reduces unnecessary field visits
- Reduces downtime
- Improved operational efficiencies
- Increased employee safety

### **AVAILABLE COMPONENTS:**

- Interface board
- Surge suppression module
- Communications module
- Backup battery
- SSR controller



# PRODUCT TECHNICAL DETAILS & OPTIONS



## APPLICATION:

- CP rectifier monitoring

## WIRELESS NETWORK:

- LTE cellular (AT&T or Verizon)
- Global satellite (Iridium)

## FEATURES:

- Built-in installation checks
- Diagnostic indicators
- Magnetically mounted communication modules
- AC or DC power options
- AC or DC SSR or Mercury Relay options
- GPS-synchronized rectifier interruption
- OmniUpdate™ remote firmware update (cellular only)
- OmniPRO, secure interactive website
- User programmable reporting interval and alarm limits
- NEMA 4X enclosure (optional)
- Tamper indication (optional)
- Flex Module ready - monitors multiple rectifiers or multiple negatives (optional)
- Remote cellular configurations
- No field laptop required/no custom software
- Indefinite data retention
- TapCommander ready - Remotely adjust tap settings (optional)
- Customizable to meet your configuration needs

## ACCESSORIES:

- **Flex Module**
  - Monitor multiple rectifiers or multiple negatives with a single Hero unit
- **Tap Commander**
  - Remotely adjust tap settings via PC, phone or tablet
  - Holds rectifier current output at user specific levels

## SPECIFICATIONS:

- **Size:**
  - 10" x 8.5" x 4.5" (with NEMA 4X enclosure)
  - 5" x 4" x 2" (without NEMA 4X enclosure)
- **Weight:**
  - 6 pounds (with NEMA 4X enclosure)
  - 1.3 pounds (without NEMA 4X enclosure)
- **Power Requirement:** 2W average, 4W peak depending on power source
  - 10V-25V AC (can be obtained from rectifier taps)
  - 10V-48V DC (using external power supply or solar)
  - 6 VDC (battery connection)
- **Inputs:**
  - Rectifier output voltage: 0-150 VDC
  - DC shunt voltage: 0-500 mVDC
  - Aux: 0-4 VDC
- **Battery Back-up:** 6 VDC sealed gel cell (optional)
- **GPS-Synchronized Interrupt:** Sub second or longer
- **RF Power:** 3 Watts
- **Antenna:** Externally mounted LTE/GPS antenna
- **Rated Temp:** -40°C to +70°C

OmniPRO



**OMNIMETRIX**  
GLOBAL MONITORING + CONTROL

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