



OmniMetrix™

Remote Monitoring Networks

PSM Series Overview

Remote Monitoring of Cathodic Protection

Applications

Pipe-to-Soil Measurements
Potential-to-Structure Measurements
Critical Bond Measurements

Compatibility

Pipe-to-Soil Measurement Equipment

Wireless Network

Cellular Digital Radio
Satellite

Specifications

Sensors: Cu-CuSO4 Reference Cell

Size: 3.5" Dia x 12" Long

Weight: 2.5 pounds

Direct Buried: 5" Dome

Battery: 10-Year Lithium Manganese Dioxide

Input: Single Differential Voltage +/- 3V

Tamper Switch

RF Power: 3 watts

Antenna: 3db Internal Mount

FCC: Part 90 and Part 15

Temp: -20 C to +70 C

UL: Class I, Division 2, Group C&D

Doc: 2007030901
Printed in USA

The PSM is a self-contained wireless remote monitoring unit for pipe-to-soil and potential to structure CP test station measurements. PSM monitors the reference electrode output, giving scheduled data reports and alarm notification in the event of extreme CP readings.

The PSM features wide-area connectivity via digital radio; transmitting data wirelessly to the OmniMetrix secure Internet site. No custom software is required; all you need is a PC equipped with Internet Explorer. The monitor compares its input measurements to preset alarm levels, and can deliver alarms upon detection of out-of-bounds conditions. Alarm levels and reporting intervals are remotely programmable.

OmniUpdate™ is an OmniMetrix exclusive, that performs remote updates. No need for field laptops - the PSM's firmware is automatically updated to keep it evergreen over the life of the monitor.

The PSM may be direct-buried in the soil, with only a 5" dome visible above the soil. It is also available in pole-mount or test-station cap versions. Enclosures are by Cott Manufacturing. ({ HYPERLINK "http://www.cottmfg.com" })

PSM features 10 year Lithium battery power. An integral Tamper detection function will automatically and instantaneously awaken the unit and cause a Tamper Alarm transmission. This function is utilized for security against unauthorized intrusion of the monitor. OmniMetrix also offers a complete PSM kit which includes a riser clamp and GMC bagged reference cell. ({ HYPERLINK "http://www.gmcelectrical.com" })



Features

- **OmniUpdate™** Remote Firmware Update
- Wireless to Web Enabled
- Secure Interactive Website
- Remotely Programmable Wake-up and Transmit Interval
- Direct Burial, Pole-mount or Test-station Cap Installation
- 10 Year Field Replaceable Battery
- Tamper Indication

Benefits

- Eliminates Test-station Collection Costs
- Easiest to Install
- Leverages Extensive Cellular Coverage
- Durable Polycarbonate Enclosure
- Internet Delivered Alarms and Notification
- No Custom Software

