

## Interchangeable Monitoring Device (IMD)

Upgradeable Local and Remote Power Monitoring + Remote Sensing

Part Number: IMD-02EV - Vertical  
IMD-02EH - Horizontal

### Description

The IMD-02EV Interchangeable Monitoring Device + Remote Sensing delivers a comprehensive view of power usage and environmental conditions in a data center. To be used with the modular design of the Upgradeable PDU, it is a hot-swappable replacement or upgrade solution allowing new technology to be applied as it is developed.

The IMD-02EV, offers on-board and web power monitoring display options with quick access to the unit's current, volts, real power, apparent power, power factor and kilowatt hours. By monitoring these critical variables, data center managers can evaluate energy usage trends and ensure maximum uptime. The unit's environmental sensor port also gives data center managers the ability to track critical climate variables like temperature, air flow, humidity and dew point with the use of a Geist remote sensor.

Racknet Enabled — The IMD-02EV easily integrates with Racknet — Geist's DCIM software. Racknet (purchased separately) collects and reports critical power and environmental data for multiple PDUs in one, user configurable interface. Users gain immediate remote access to trends, alarms and histories of devices in the data center through a standard Web browser. Racknet saves both time and cost associated with managing each device individually. Contact your Geist rep for more details.

### Product Summary

Interchangeable Monitoring Device, Power Monitoring + Remote Sensing, Phase (X, Y, Z) Monitoring (A, V, W, VA, kWh, PF) Phase Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements, Circuit/Breaker Monitoring (A), Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy.



# Interchangeable Monitoring Device (IMD)

Upgradeable Local and Remote Power Monitoring + Remote Sensing

Part Number: IMD-02EV - Vertical  
IMD-02EH - Horizontal

## Features

### Specifications

Monitoring	Power + Sensor (Remote) Current (Local)
Monitoring Level 1	Phase (X, Y, Z) Monitoring (A, V, W, VA, kWh, PF) –Where applicable as determined by Base PDU Model Phase Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 1% Accuracy Class Requirements
Monitoring Level 2	Circuit/Breaker Monitoring (A)-Where applicable as determined by Base PDU Model Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy
Scrolling / Rotatable Digital Display	Yes
Internal RMS Voltage Sensor	Yes
Internal RMS Current Sensor	Yes
Network Connection	Dual 10/100Mbps Ethernet
Network Protocols Supported and Data Access Formats	HTTP, HTTPS (SSL/TLS), SMTP, SMTPS (SSL), ICMP, DHCP, IPv4, IPv6, Syslog, SNMP v1/v2c/v3, JSON, RSTP
IP Reset Button	Yes
Hard Reboot Button	Yes
Remote Sensor RJ Connection Jacks	1
Product Warranty	Five Year
Certification/Agency Approvals	RoHS Compliant
Shipped Weight	1lbs (.45kg)

Please note the information contained herein is for informational purposes only. Technical claims listed depend on a series of technical assumptions. Your experience with these products may differ if you operate the products in an environment, which is different from the technical assumptions. Geist reserves the right to modify these specifications without prior notice. Geist makes no warranties, express or implied, on the information contained in this document.

10014901

### Geist Americas

800.432.3219  
geistglobal.com

Geist DCIM  
1.877.449.4150  
geistglobal.com

### Geist Europe

+44 (0) 1823 275100  
geistglobal.com

### Geist Asia

China  
+86.755.86639505  
geistglobal.com

Hong Kong  
+852 90361927  
geistglobal.com