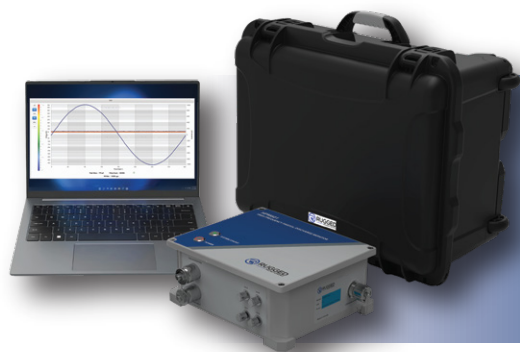


# HPM601-P

## Effortless PD Measurements with Rugged Precision for Power Assets



Our high-frequency PD portable solution is a rugged and compact design for effortless online and offline PD monitoring of Transformers, Power Cables, Switchgear - AIS, GIS, and Reactors. It is ideal for periodic testing and diagnostics.

The HPM601-P is a high-frequency Partial Discharge (PD) monitoring solution engineered for precision and reliability in modern power systems. Available in 4 or 8-channel configurations, the system enables synchronous, multi-point PD measurement and analysis. It operates across a wide frequency range of 0.01 – 100 MHz, making it suitable for detecting a broad spectrum of partial discharge signals.

Built with a compact and rugged IP65-rated enclosure, the HPM601-P is designed for durability and portability, making it ideal for field operations and laboratory environments.

The system delivers accurate, high-resolution data even in high-interference conditions with a high-speed sampling rate of 250 MS/s and software-controlled HF band-pass filtering. It captures and processes thousands of PD pulses per second, generating detailed Phase Resolved Partial Discharge (PRPD) patterns for reliable PD classification.

The HPM601-P supports various high-frequency sensors, accommodating asset types and testing requirements. It integrates seamlessly with PD Connect software for real-time monitoring, visualization, and analysis. Communication is enabled via Ethernet Copper-RJ45 connectors and a proprietary TCP/IP protocol for secure and efficient data transmission.

Engineered for high-frequency performance and real-world flexibility, the HPM601-P is the ideal choice for dependable PD monitoring and proactive maintenance across diverse electrical systems.

### » Features

- Durable and Compact Design
- Flexible Channel Configuration
- High-Speed Data Acquisition
- Advanced Noise Filtering
- Reliable Communication Interface
- Integrated Software Suite

### » Benefits

- Durable and Reliable
- Enhanced Noise Management
- Robust Data Handling
- Adaptable to Unique Needs
- Versatile Measurement Capabilities
- Interactive and Dependable Analysis & Reporting

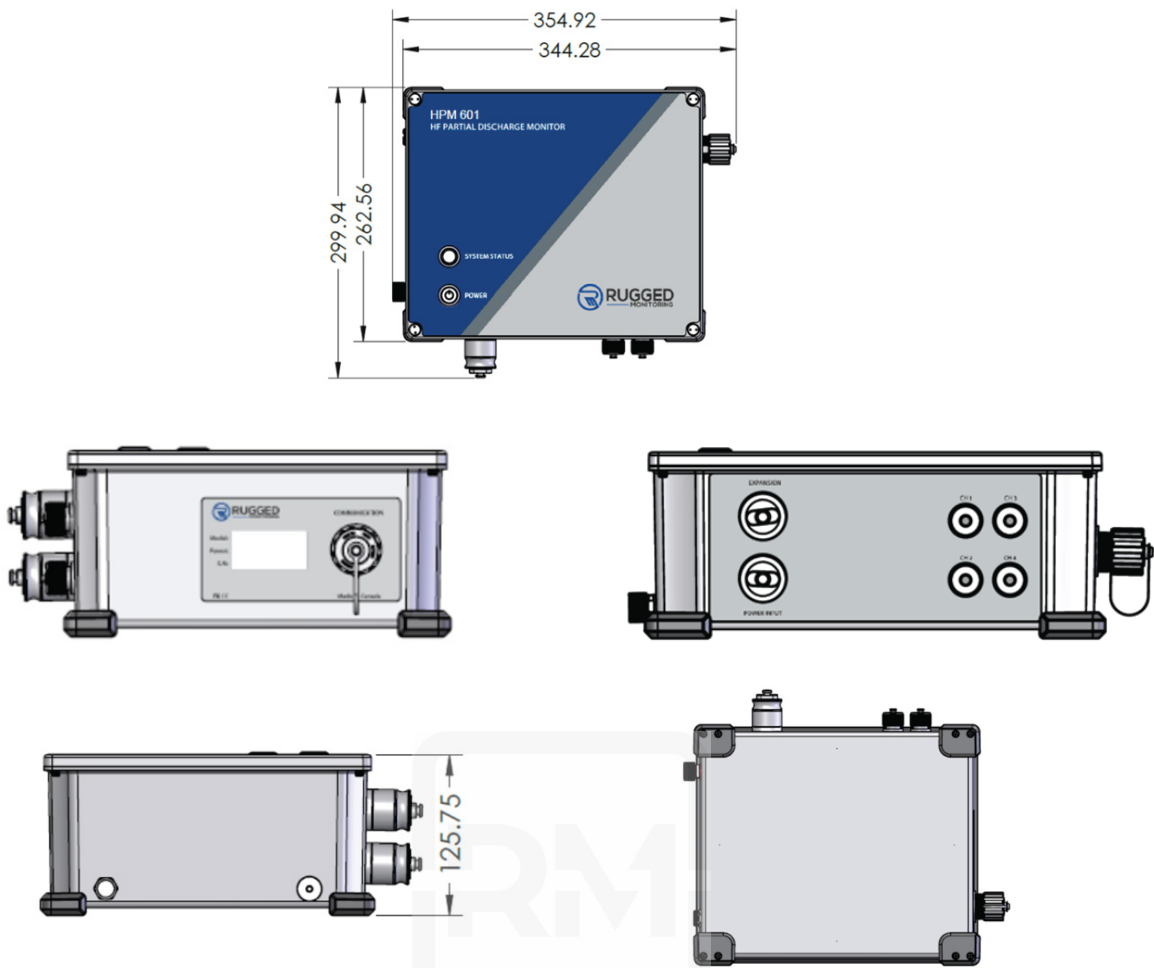
## » Applications

- Switchgear - AIS and GIS
- Power Transformers
- Reactors
- Power Cables
- HV AC Testing (Resonant test set, VLF, OWTS)
- Online Periodic PD Monitoring
- Multiple Point PD Monitoring

## » Technical Specifications

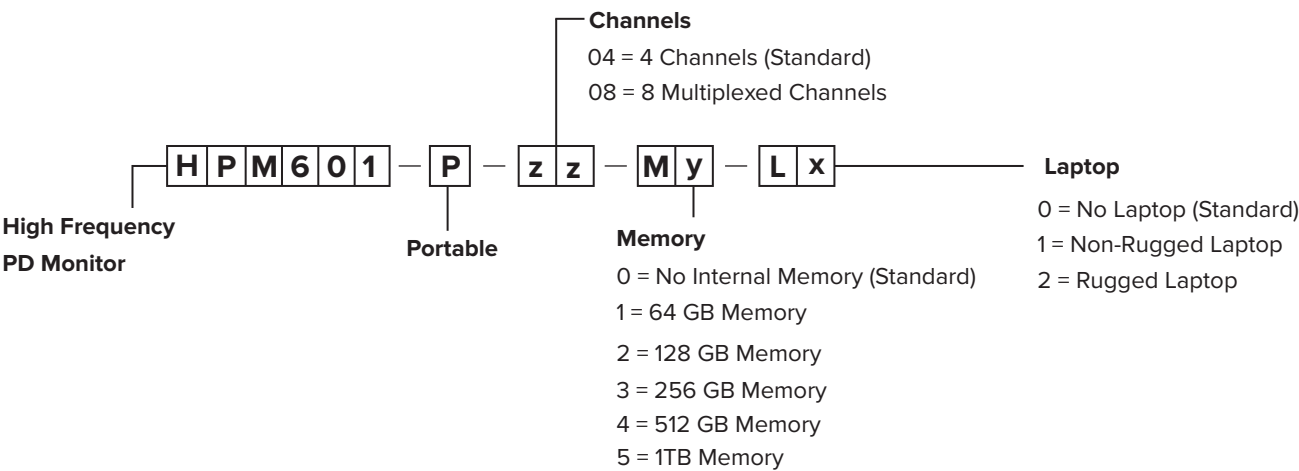
|                         |  |
|-------------------------|--|
| Sampling Rate           | 250 MS/s   |
| HF Frequency Range      | 0.01 - 100MHz  |
| No. of Channels         | 4 No's or 8 No's Option available  |
| HF Amplitude Range      | 1mV to 2000mV  |
| HF Noise Elimination    | Software controllable band-pass filter   |
| Communication Protocols | Ethernet Copper-RJ45. Proprietary TCP/IP   |
| PD Measurement Types    | IEC 60270  |
|                         | HF and VHF   |
|                         | HVAC   |
|                         | Acoustic   |
| Power Rating            | 50W  |
| IP Rating               | IP 65  |
| Synchronization         | <ol style="list-style-type: none"> <li>1. Internal Raw Power Supply</li> <li>2. External with Rogowski Coil, Electrical Field Sensor</li> <li>3. 110V VT Signal</li> </ol> |
| Compatible Sensors      | HSENS-H, HSENS-T, HSENS-CC, BSENS, ASENS, any HF sensor range upto 100 MHz   |
| Ambient Temperature     | -30°C to +60°C   |
| Storage Temperature     | -40°C to +85°C   |
| Dimensions              | 299.94 mm (L) x 354.92 mm (W) x 125.75 mm (H)  |
| Software                | Windows Based (PD Connect - Default)   |
| Asset Types Monitored   | Transformers, Reactors   |
|                         | Switchgear AIS and GIS   |
|                         | Power Cables   |

# » Product Drawing



Note: All dimensions are in millimeters (mm)

# » Ordering Code



## CERTIFICATIONS



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