

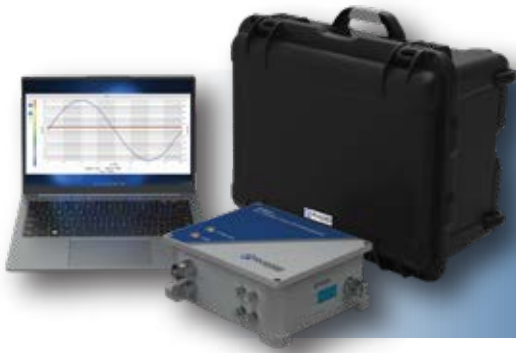


# HPM601-P

High Frequency Partial Discharge  
Monitor-Portable

# 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 (for each channel separately) 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

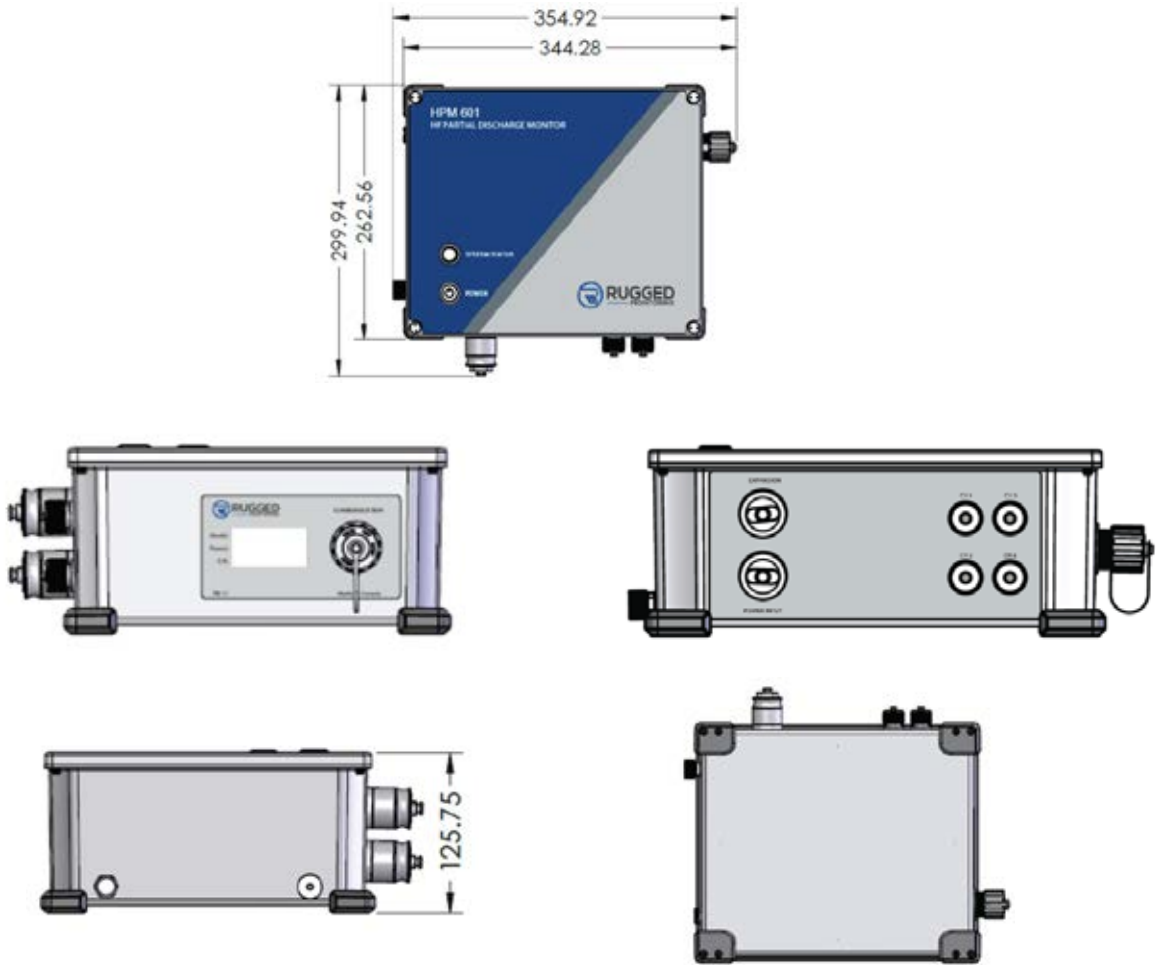
## » Applications

- 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

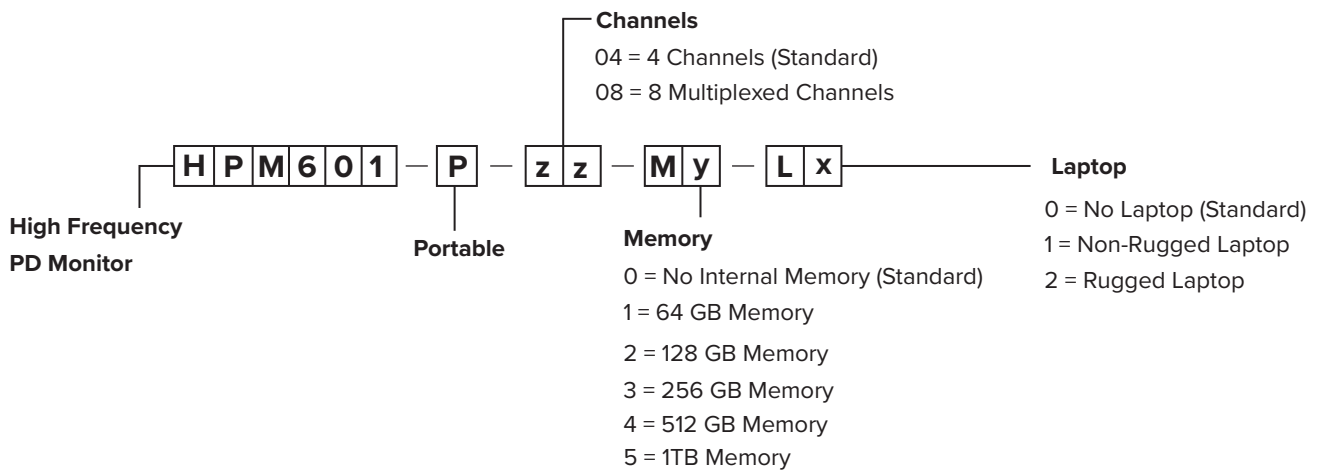
<b>Sampling Rate</b>	250 MS/s (For each channel separately)
<b>HF Frequency Range</b>	0.01 - 100MHz
<b>No. of Channels</b>	4 No's (Simultaneous acquisition) or 8 No's Option available
<b>HF Amplitude Range</b>	1mV to 2000mV
<b>HF Noise Elimination</b>	Software controllable band-pass filter
<b>Communication Protocols</b>	Ethernet Copper-RJ45. Proprietary TCP/IP
<b>PD Measurement Types</b>	IEC 60270
	HF and VHF
	HVAC
	Acoustic
<b>Power Rating</b>	50W
<b>IP Rating</b>	IP 65
<b>Synchronization</b>	<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>
<b>Compatible Sensors</b>	HSENS-H, HSENS-T, HSENS-CC, BSENS, ASENS, any HF sensor range upto 100 MHz
<b>Ambient Temperature</b>	-30°C to +60°C
<b>Storage Temperature</b>	-40°C to +85°C
<b>Dimensions</b>	299.94 mm (L) x 354.92 mm (W) x 125.75 mm (H)
<b>Software</b>	Windows Based (PD Connect - Default)
<b>Asset Types Monitored</b>	Transformers, Reactors
	Switchgear AIS and GIS
	Power Cables

## » Product Drawing



Note: All dimensions are in millimeters (mm)

## » Ordering Code



### CERTIFICATIONS



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