

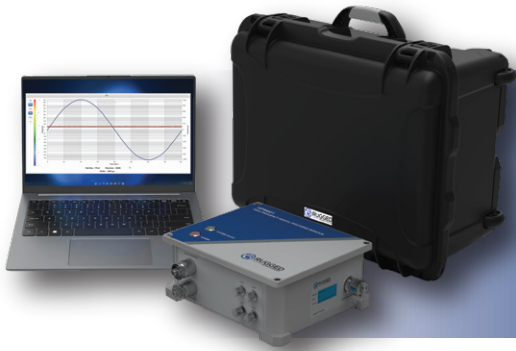


HPM601-P

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 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

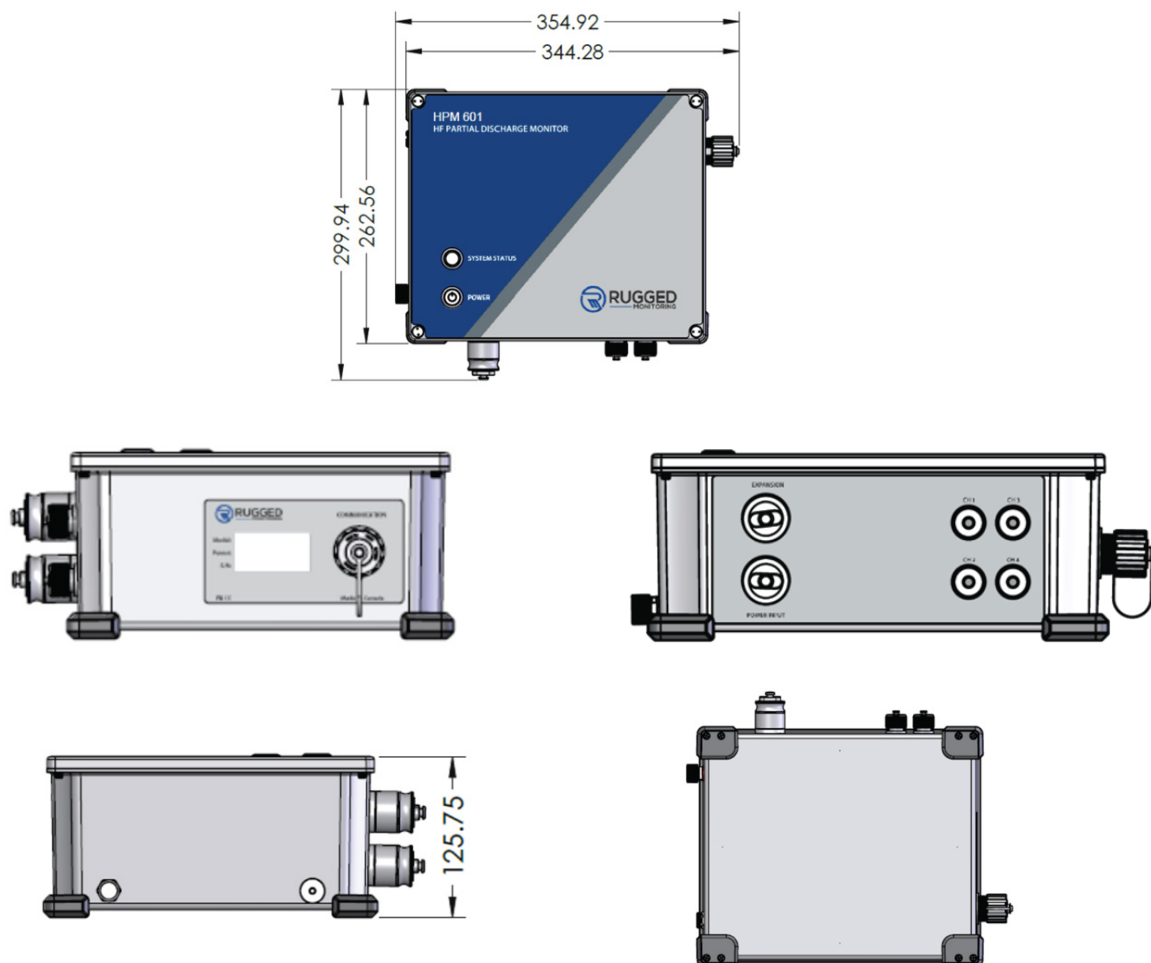
» Applications

- 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

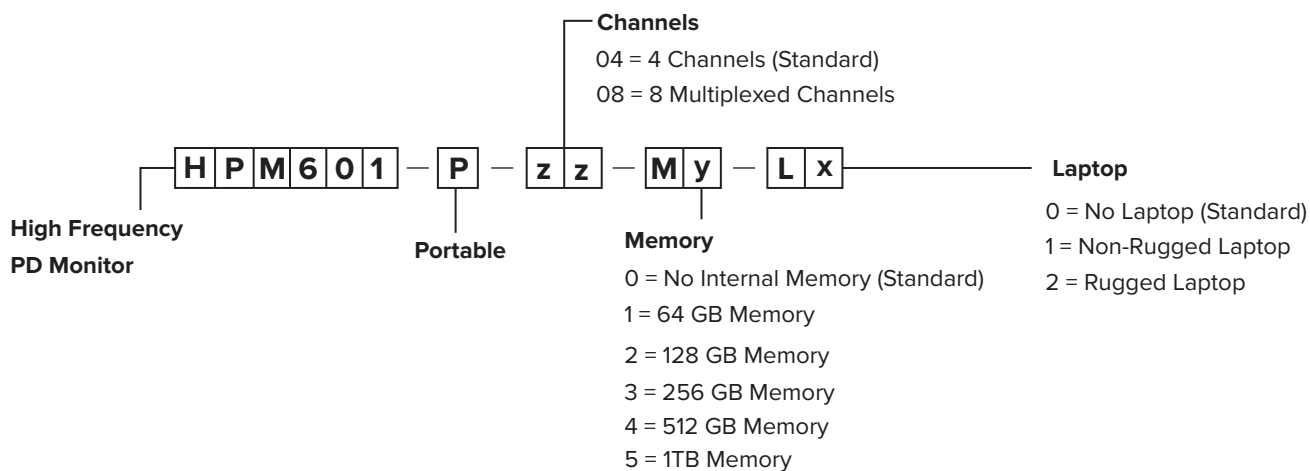
Sampling Rate	250 MS/s
HF Frequency Range	0.01 - 100MHz
No. of Channels	4 No's or 8 No's Option available
HF Amplitude Range	1mV to 2000mV
HF Noise Elimination	Software controllable band-pass filter
Communication Protocols	Ethernet Copper-RJ45. Proprietary TCP/IP
PD Measurement Types	IEC 60270
	HF and VHF
	HVAC
	Acoustic
Power Rating	50W
IP Rating	IP 65
Synchronization	1. Internal Raw Power Supply 2. External with Rogowski Coil, Electrical Field Sensor 3. 110V VT Signal
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



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



Lloyd's
Register



Atex
Certification



NIST
Certification

Canada

1415 Frank-Carrel, Sulte , 230, Quebec, QC-G1N , 4N7, CANADA

Asia Pacific | China | India | Middle East & Africa | Europe | North America | Latin America

+1-418-767-0111

info@ruggedmonitoring.com

www.ruggedmonitoring.com