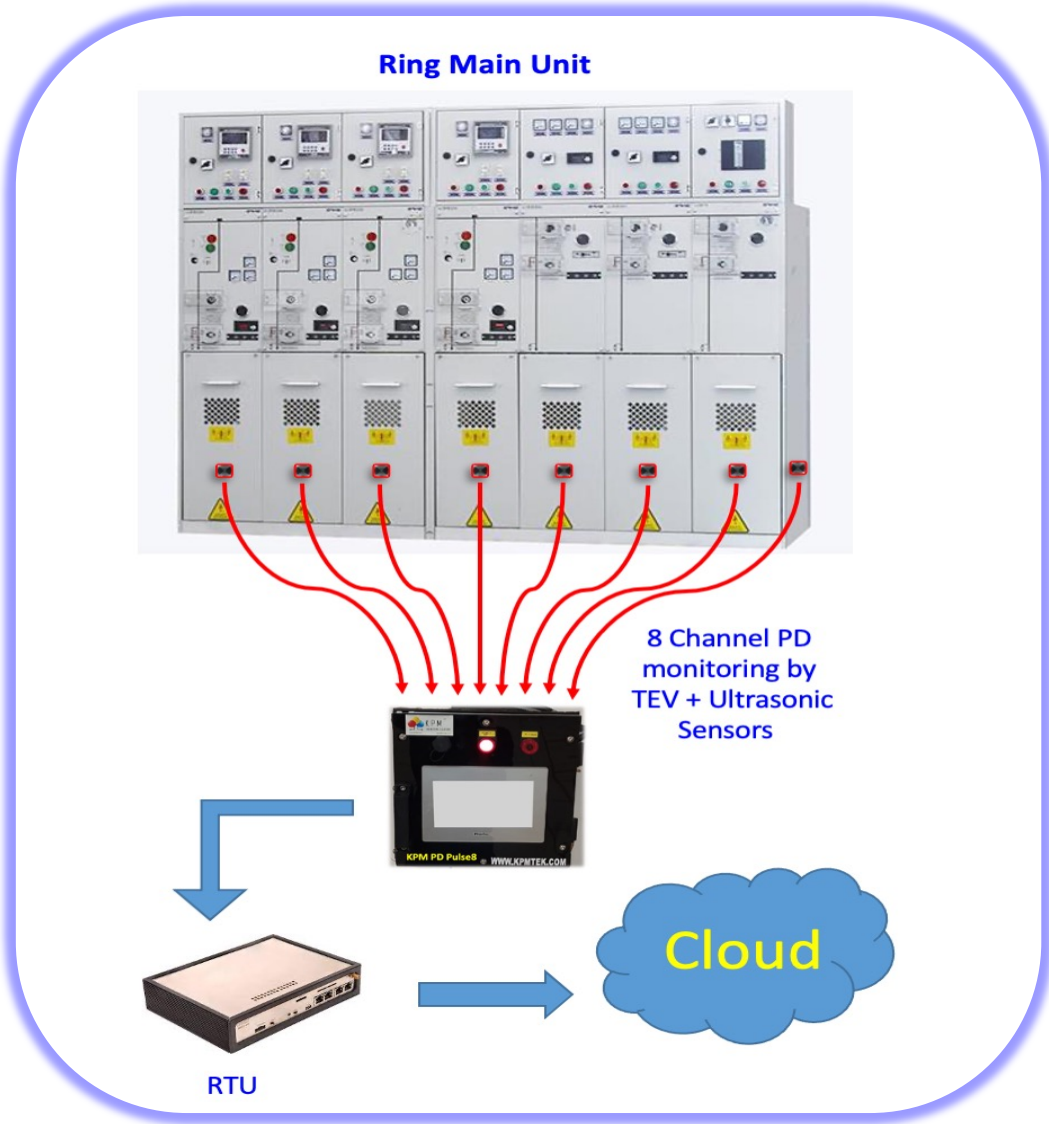


KPM PD Pulse -8

TEV + ULTRASONIC



KPM PD Pulse-8 partial discharge online monitoring device includes a modularly designed partial discharge sensor and a partial discharge data processing terminal. The partial discharge sensor can effectively monitor ultrasonic and transient earth voltage signals. It is a two-in-one integrated assembly that can be installed on the HV equipment. In case of RMU's (ring main units) the secondary room of the cabinets is equipped with a partial discharge data processing terminal, and a partial discharge sensor installed between the mechanism room and the cable room of the ring main unit can accurately reflect the partial discharge situation in the ring main unit.



KPM PD Pulse-8, Online Partial Discharge Monitor

Performance parameters :

Sr. No	Parameter	Specification
1	power supply	DC 24-48 V
2	Communication Interface	RS485, USB, Ethernet
3	Data upload communication protocol	Meet the communication and interface protocol requirements between smart gateways in electrical rooms
4	Collection interval	5s, configurable
5	transient ground voltage sensor Detection frequency band range	3MHz ~ 100MHz
6	ultrasonic sensor Detection frequency band range	20kHz~60kHz
7	Number of sensor channels	4/8 __
8	Service life	≥8 years
9	size	155 * 125 * 50 (mm)
10	Installation location	Ring network cabinet secondary indoor
11	ambient temperature	-40°C ~ +80°C
12	Altitude	≤4500m

Technical indicators : The partial discharge monitoring host is installed in the secondary room of the ring main unit and connected to the sensor through coaxial cables.

Partial discharge data processing terminal

The partial discharge data processing terminal can sample partial discharge signals at each measurement point. The length of each sampling is greater than 50 power frequency cycles, the monitoring period is adjustable ; using an embedded high-performance processor, While ensuring high-speed sampling, the power consumption of the device is greatly reduced.

S.NO	Parameter	Specification	
1	Scope of application	Ring main unit & Other HV equipment	
2	sensor type	Ultrasonic sensor, transient ground voltage sensor	
3	ultrasonic sensor	Sensitivity	Peak sensitivity is not less than 60dB V/(m/s)
		Detection band	20kHz~60kHz
		Measuring range	0dBμV~60dBμV
4	transient ground voltage sensor	linearity error	±20%
		Detection band	3MHz ~ 100MHz
		Measuring range	0dBmV ~ 60dBmV
		resolution	1dB
5	pulse count	Pulse counting error is no more than ±10%	
5	linearity error	± 20%	
6	stability error	After the device operates continuously for 1 hour, when a pulse signal of constant amplitude is injected, the change in the response value should not exceed ±20%.	
7	Service life	≥8 years	
8	size	φ 64 * 40 (mm)	
9	Installation location	the ring main unit room and the cable room (The minimum safe distance from the cable head is no less than 70mm , which can effectively detect indoor partial discharge data of cables)	
10	Installation method	Magnetic installation	

Partial discharge sensor (Ultrasonic + TEV , 2 in 1)

The Pulse 8 sensors are of an integrated design of ultrasonic and transient earth voltage.

Special Application : PD Pulse-8 can monitor ultrasonic and TEV signals in the ring main unit and is installed between the ring main unit mechanism room and the cable room.





KPM PD Pulse-8, Online Partial Discharge Monitor

About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers with best value proposition.

Our Techno Sales Partner



Website : www.kpmtek.com
E Mail : sales@kpmtek.com
Phone No : +91 124 4001088