

# HSENS-T

Rugged and Robust design to measure partial discharges



**Rugged and Robust design to measure partial discharges in Power Transformers, Switchgears, Rotating Machines and Cables (and their accessories)**

Hsens-T is a Transient Earth Voltage Sensor that can be used to detect internal, external and surface partial discharges inside metal clad switchgear or power cables termination box of rotating machines and power transformers. An

application of HFCT along with TEV can help in PD diagnostic and confirmation of internal versus external PD. Sensor is IP65 rated with integrated transient overvoltage protection feature inside sensor.

Transient protection will help in minimizing transients that can be expected during PD monitoring. TEV sensor has strong magnets that help it to attach to the walls of metal clad switchgear. TEV forms a capacitive coupling with grounded metal switchgear to detect transients of external PD happening inside metal clad switchgear at termination.

## Features

- Transient Earth Voltage Sensor
- Rugged and compact design with IP65 rating
- Strong magnets to attach sensor
- Transient overvoltage protection integrated inside Sensor
- RG223 high noise immunity cable
- TNC connector for reliable connection

## Applications

- Online periodic partial discharge monitoring
- Offline PD measurement during HV AC testing
- Multiple point PD monitoring
- Power transformers
- Rotating machines
- AIS/GIS switchgear
- Cables, joints and terminations



## Benefits

- Rugged and Robust sensors with IP 65 rating
- Highly immune to noise
- Rigorously tested
- Transient overvoltage protection
- Heavy duty magnets to hold sensors
- Customizable according to customer specific applications
- Suitable for Online or Offline PD measurements

## Technical Specifications

<b>SENSOR</b>	Type	Integrated magnets help it to attach to metal clad switchgear
	Typical Frequency Response (-6dB)	1 MHz - 100 MHz
	Material	Rugged Plastic (Black), other options available
<b>SIGNAL CABLE</b>	Type	RG223
	Connectors	Cable Gland (Sensor End) and TNC connector (Monitor End), other options available
	Cable Length	5m as standard, other options available
<b>IP RATING</b>	IP65	
<b>TEMPERATURE</b>	Ambient	-30°C – 70°C
	Storage	-40°C - 85°C
<b>DIMENSIONS</b>	70mm (L) x 70mm (W) x 33 mm (H)	
<b>CUSTOMIZATION</b>	For any different requirement, please consult	

## Ordering Code

