

# HSENS-H

Highly sensitive and reliable sensor to detect real time partial discharge activity



**Sensor is IP65 rated and integrated features of transient overvoltage protection inside sensor. Transient protection will help in minimizing transients that can be expected during PD monitoring.**

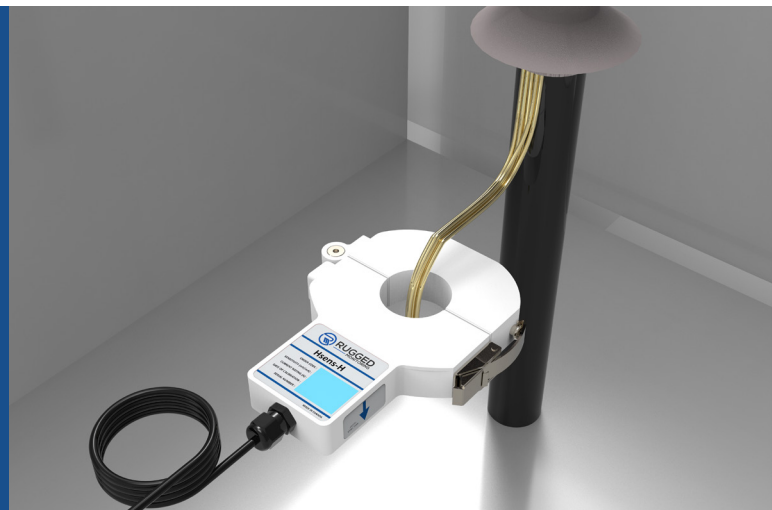
Rugged Monitoring's High Frequency Current Transformer sensor HSENS-H is a split core and an inductive type sensor that can be clamped around the earth (ground) shield to measure PD signals. Based on power cable termination condition, an HFCT sensor can also be clamped around cable insulation without earth shield or around the cable with earth shield looped back to measure PD. For HFCT clamped around the cable insulation without earth shield or cable with earth shield looped back, high current variant can be used for rated load current of cable.

## Features

- High Frequency Current Transformer
- Rugged, reliable design
- IP65 rated
- Split core design for easy installation
- Transient overvoltage protection integrated inside Sensor
- Different options of internal diameter dimensions
- 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
- Cables, joints and terminations
- Rotating machines
- AIS/GIS switchgear
- Power transformers



## Benefits

- Transient overvoltage protected
- Noise immunity
- IP65 rated
- Rigorously tested
- Split core for easy installation
- Stainless steel robust latch to keep split core closed
- Customizable according to customer specific applications
- Suitable for Online or Offline PD measurements

## Technical Specifications

<b>SENSOR</b>	Type	Split Core
	Typical Frequency Response (-6dB)	100 kHz-25 MHz
	Material	Rugged Plastic (Black), Other options available
	Current Ratings	50 A, other options available
<b>MODELS</b>	HFCT-3	220 mm (L) x 118 mm (W) x 33 mm(H) (ID=30 mm)
	HFCT-5	220 mm (L) x 163 mm (W) x 28 mm (H) (ID=30 mm)
	HFCT-9	265 mm (L) x 200 mm (W) x 38 mm (H) (ID=90 mm)
	HFCT-14	330 mm (L) x 275 mm (W) x 38 mm (H) (ID=140 mm)
<b>SIGNAL CABLE</b>	Type	RG223
	Connectors	Cable Gland (Sensor End) and TNC connector (Monitor End), other options available
	Cable Length	5m, other options available
	IP Rating	IP65
<b>TEMPERATURE</b>	Ambient	-30°C - 70 °C
	Storage	-40°C - 85 °C

## Ordering Code

