



HSENS-H

- 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

Rugged and reliable design, IP65 rated, overvoltage protected, PD measurement at Cables (and their accessories), Switchgears, Rotating Machines and Power Transformers

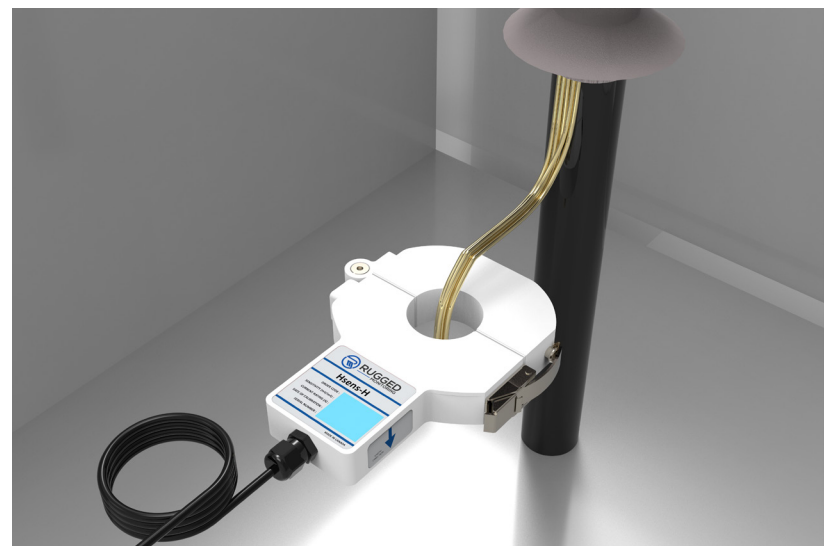
Product Summary

Hsens-H is a High Frequency Current Transformer sensor. It 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 for the purpose of PD measurements. For HFCT clamped around the cable insulation without earthshield or cable with earth shield looped back, high current variant can be used for rated load current of cable.

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

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

Sensor

Type	Split core
Typical Frequency Response (-6dB)	100 kHz - 25 MHz
Material	Rugged Plastic (Black), other options available
Current Ratings	50A , other options available

Models

HFCT-3	Dimensions
HFCT-5	220mm (L) x 118mm (W) x 33mm (H) (ID = 30mm)
HFCT-9	220mm (L) x 163mm (W) x 28mm (H) (ID = 50mm)
HFCT-14	265mm (L) x 200mm (W) x 38mm (H) (ID = 90mm)
	330mm (L) x 275mm (W) x 38mm (H) (ID = 140mm)

Signal Cable

Type	RG223
Connectors	Cable Gland (Sensor End) and TNC connector (Monitor End), other options available
Cable Length	5m , other options available

IP Rating

IP65

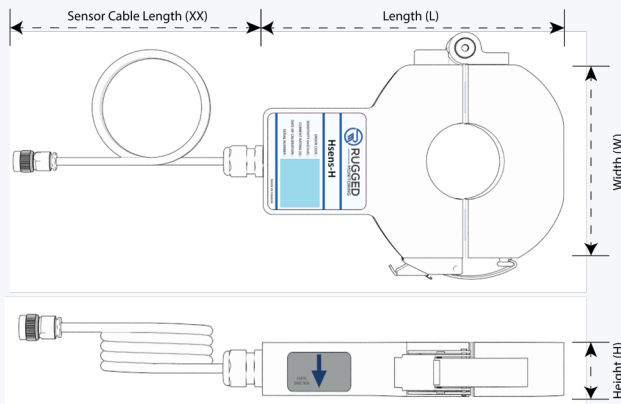
Temperature

Ambient	-30C – 70C
Storage	-40C - 85C

Customisation

For any different requirement, please consult

ORDERING CODE



Internal Diameter Options

03 = 30 mm
05 = 50 mm (Standard)
09 = 90 mm
14 = 140 mm

Sensor Cable Length

05 = 5 m (Standard)
10 = 10 m
20 = 20 m

Sensor Material

0 = Rugged Plastic - Black (Standard)
1 = Aluminum

H s e n s - H 0 - W W - X X - Y Z

Hsens = High Frequency Partial Discharge Sensor

Sensor Connector

0 = TNC (Standard)
1 = BNC



Rugged Monitoring Services

Rugged Monitoring provides customization of sensors, monitors & software. In addition we offer on-site commissioning services, maintenance contracts and technical support to all customers worldwide.



About Rugged Monitoring

Industry leading team of fiber optic experts with 100+ years of combined experience committed to delivering customizable solutions for challenging applications. We offer a range of reliable, high performance, customizable sensors and monitoring solutions that are immune to external influence.

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+56 2 2335 8141

contacto@shen-re.cl

www.shensors.cl