



HSENS-T

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

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

Product Summary

Hsens-T is a Transient Earth Voltage Sensor that can be used to detect external partial discharges inside metalclad 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 and features integrated transient overvoltage protection 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 metalclad switchgear. TEV forms a capacitive coupling with grounded metal switchgear in order to detect transients of external PD happening inside metalclad switchgear at termination

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

- Rugged sensors
- Noise immunity
- IP65 rated
- Rigorously tested

- Transient overvoltage protected
- Strong magnets to help sensor attach
- Customizable according to customer specific applications
- Suitable for Online or Offline PD measurements

TECHNICAL SPECIFICATIONS

Sensor

Type	Integrated magnets help it to attach to metalclad switchgear
Frequency Response (-6dB)	1 MHz - 100 MHz
Material	Rugged Plastic (Black), other options available

Signal Cable

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

IP Rating

IP65

Temperature

Ambient	-30C – 70C
Storage	-40C - 85C

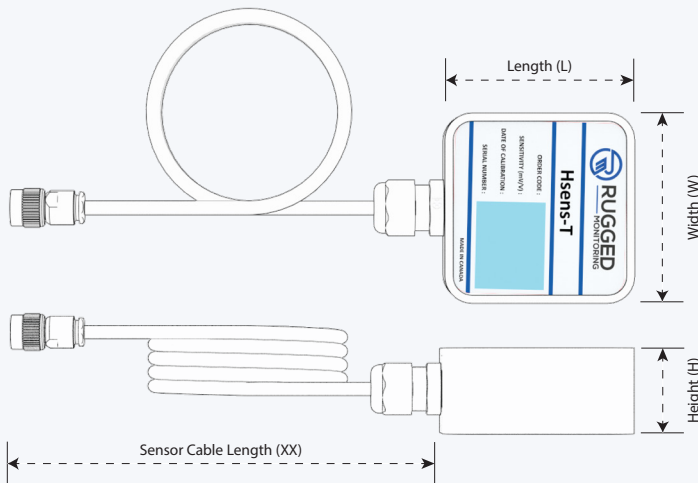
Dimensions

70mm (L) x 70mm (W) x 33 mm (H)

Customization

For any different requirement, please consult

ORDERING CODE



Sensor Cable Length

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

Sensor Material and Colour

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

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

Sensor Connector

0 = TNC (Standard)
1 = BNC

Hsens = High Frequency Partial Discharge Sensor



Rugged Monitoring Services

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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.