

## HFCT 100 PD Sensor High Frequency Current Transformer

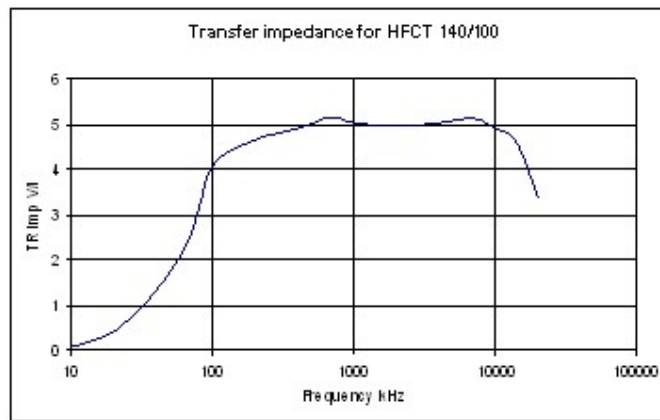


**HFCT 100 PD Sensor** is a high frequency current transformer specifically designed for the passive detection of PD in HV and EHV cable circuits.

Partial Discharge activity in solid high voltage insulation induces small high frequency currents in the earth conductor of the electrical system. These impulses travel along the equipment earth to the substation earth. Using a high frequency current transformer, they can be detected as they pass through the CT.

The HFCT100 has a split core ferrite to allow retrospective fitting to earth straps without the need for disconnection. Its larger internal diameter makes it ideal for HV and EHV applications. The durable body has a hinge and a quick release latch making use quick and easy. The CT is constructed with an aluminium body to provide RF shielding and improved performance in noisy environments.

This transducer is ideal for all core, earth and neutral PD monitoring applications.



## Technical Specification

### HFCT 100 PD Sensor

#### HFCT Sensor

Transfer Function	4.7 V/A
Frequency Response	50kHz – 13MHz
Rec. Load Impedence	50 $\Omega$

#### Dimensions

Internal Diameter	96 mm
External Diameter	150 mm
Weight	1.06 kg

#### Hardware

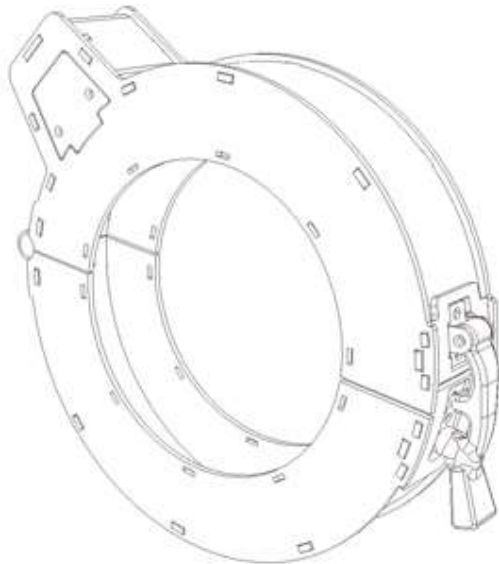
Coupling	Quick Release Clip
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#### Connector

Connector	BNC Female
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Designed and manufactured in the United Kingdom

[www.ipec.co.uk](http://www.ipec.co.uk)



[sales@ipec.co.uk](mailto:sales@ipec.co.uk)