



HFCT E Sensor HFCT for permanent installation

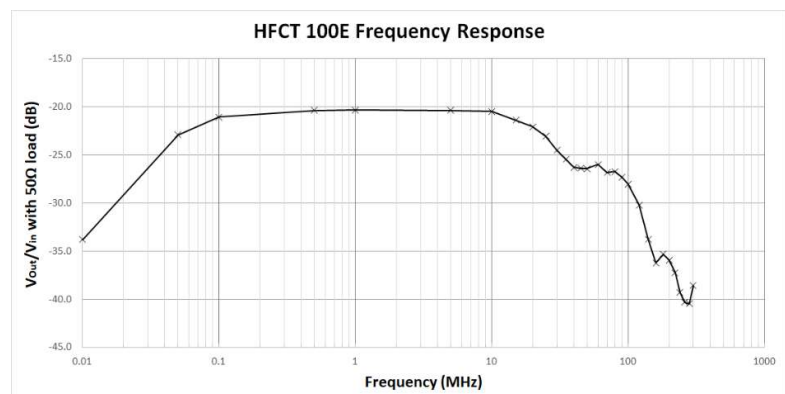
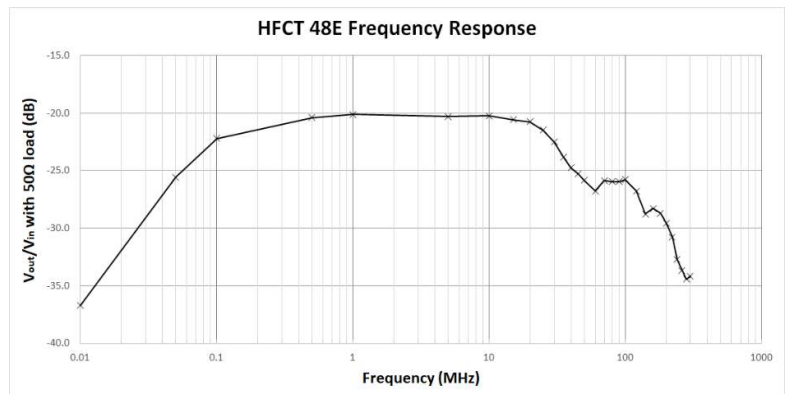
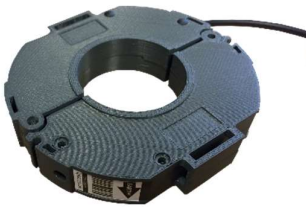


The **HFCT E** is a high frequency transducer designed specifically for picking up partial discharge signals.

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 HFCT E sensors have a split core ferrite to allow retrospective fitting to earth straps without the need for disconnection. The durable body has a hinge and a quick release latch making use quick and easy. The CT is constructed with a moulded body.

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



Technical Specification

HFCT 48E PD Sensor

HFCT Sensor

Transfer Function	4.9 V/A
Frequency Response	60kHz – 80MHz
Rec. Load Impedence	50Ω

Dimensions

Internal Diameter	48 mm
External Diameter	107 mm
Weight	0.34 kg

Hardware

Coupling	Screw Lock
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Connector

Connector	BNC Male
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Designed and manufactured in the United Kingdom

www.ipec.co.uk



HFCT 100E PD Sensor

HFCT Sensor

Transfer Function	4.8 V/A
Frequency Response	50kHz – 60MHz
Rec. Load Impedence	50Ω

Dimensions

Internal Diameter	100 mm
External Diameter	158 mm
Weight	0.95 kg

Hardware

Coupling	Screw Lock
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Connector

Connector	BNC Male
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Designed and manufactured in the United Kingdom

sales@ipec.co.uk