



High Frequency Current Transformer 50mm

Technical Specification

Our latest generation inductive sensor for online detection of partial discharge detection via the ground connection. Suitable for PD testing of cables, switchgear, transformers and rotating machines. Can be used with our UltraTEV Plus², Cable Data Collector and Astute HV Monitor

Features include:

- High sensitivity
- Superior signal to noise ratio
- Wide frequency response
- Pulse detection down to 10pC
- Quick and easy to connect for spot readings
- Can be permanently installed



HFCT1-F50 Specifications

HARDWARE MEASUREMENTS

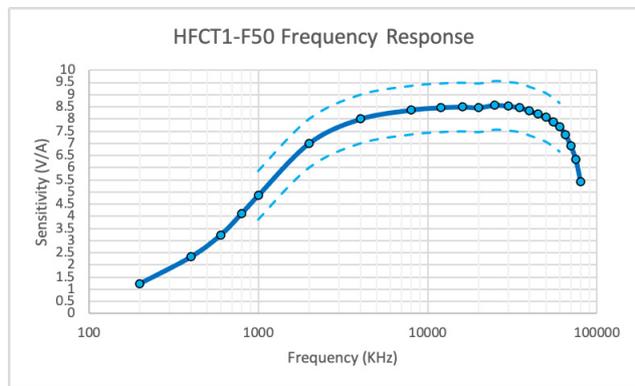
Clamping Mechanism	Magnetic / Cable Tie
Connection	Insulated BNC (female)
Mounting Capability	3x M5 Mounting Holes
Environmental Range	-20 to 50°C and 0-80%RH
Enclosure Impact Rating	IK08
Enclosure IP Rating	IP2X

DIMENSIONS

Enclosure Aperture Diameter	48 mm
Enclosure Diameter	101 mm
Enclosure Depth	22 mm

ELECTRICAL CHARACTERISTICS

Nominal Low Frequency -3dB Point	1 MHz
Nominal High Frequency -3dB Point	70 MHz
Nominal Sensitivity	8.5 V/A
Standalone Minimum Pulse Detection	10pC
Nominal Accuracy	+/- 1V/A
Terminating impedance	50 Ohm
Insulated Connector Voltage Rating	1000V CAT II, 600V CAT III
50Hz Saturation Current	> 100A
50Hz Frequency Response	< -70dB



Safer, stronger, smarter networks

EA Technology Limited
Capenhurst Technology Park
Capenhurst, Chester CH1 6ES

t +44 (0) 151 347 2376
e sales@eatechnology.com
www.eatechnology.com