

High performance inductive PD sensor

HFCT 70mm

Techimp HFCT 70mm is an inductive sensor for Partial Discharge detection. It is suitable for online/offline PD tests on many electrical systems such as MV/HV cables, transformers, rotating machines and others.

Techimp HFCT 70mm can be easily installed on the ground connection of the electrical system under test having a ground cable or connector maximum diameter of about 70mm.

Techimp HFCT 70mm can be directly connected to any Techimp PD acquisition unit by means of a 50Ω coaxial cable.

The arrow on the enclosure indicates the polarity of the output voltage (V_{out}) in relation to the input current (I_{in}) direction. The sensor should be installed having the arrow towards the ground so that the detected voltage signal (V_{out}) has the same phase as the input current (I_{in}).

Benefits

- Maintenance free
- High sensitivity and reliability
- Robust and easy to use
- Safety

Specifications

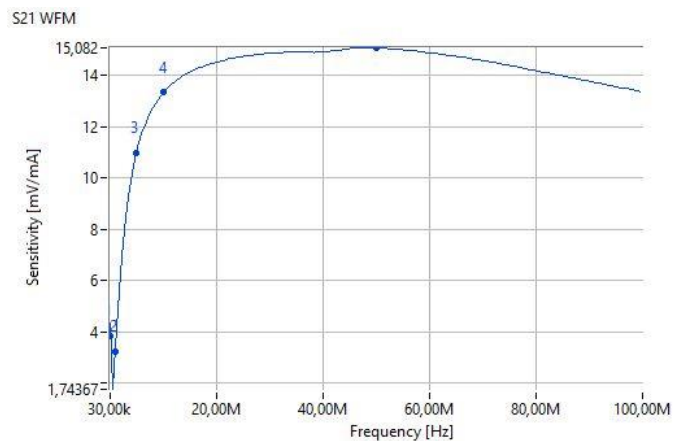
Bandwidth
Max Sensitivity (V_{out} / I_{in} @5MHz)
Load Impedance
Hole dimension
Operating temperature

1MHz ÷ 80MHz
12mV/mA
50Ω
Φ 70mm
-20°C +70°C

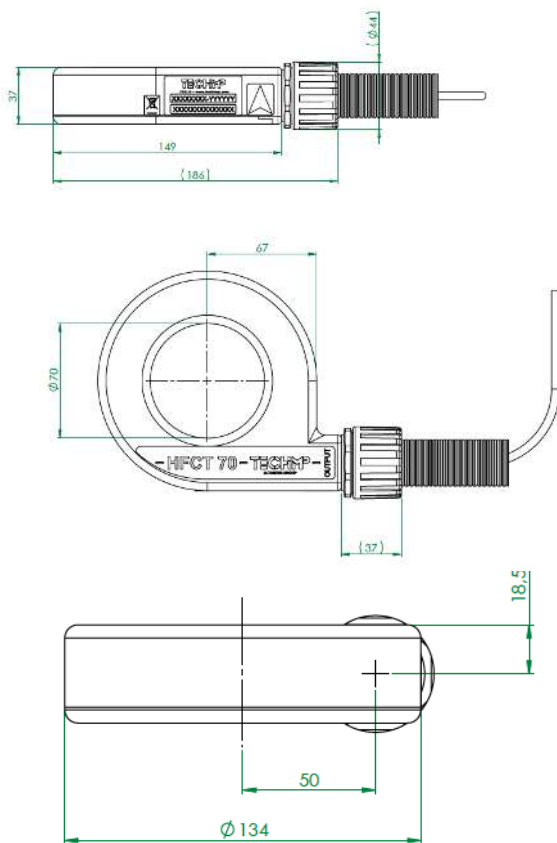


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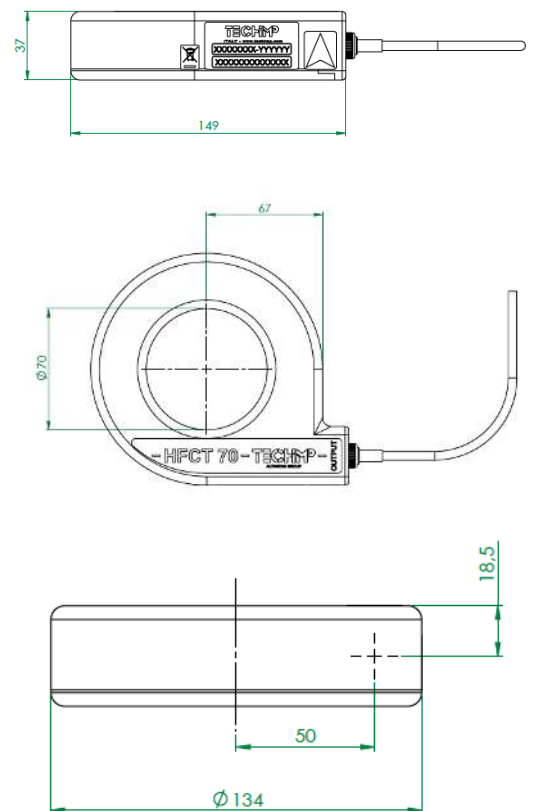
Frequency Response



Mechanical Specification DUCT VERSION



Mechanical Specification BNC VERSION



Suitable For

HVAC CABLE	MVAC CABLE	HVDC CABLE	MOTOR	GENERATOR	PWM VSD	GIS GIL GIB	SWITCH BOARDS	OUTDO OR INSULATOR	HV TRAFO	MV TRAFO	TA/TV
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Several different sensors are available, fully compatible with Techimp Global Diagnostic platform. They can be freely combined at customer needs provided they can be applied for the specific application.

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