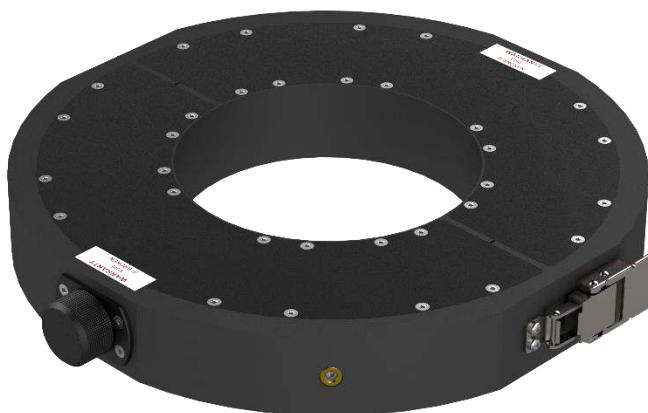


high performance inductive PD sensors

HFCT 140mm



TechImp Clamp High Frequency Current Transformer model 140 is an inductive sensor for partial discharge measurements. It is suitable for online /off line

PD tests on:

- large diameter
- cables
- grounding rod bar
- etc

A TNC termination is available to connect the Clamp HFCT 140 to the TechImp PD analyzer: PDCheck , PDBase etc.

The arrow indicates the requested input current (I_{in}) direction to get coherent output voltage (V_{out}) polarity respect to ground. When the sensor is installed with the arrow directed to ground, the detected voltage signal (V_{out}) has the same phase of 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} at 10MHz, 50 Ω load)

Load Impedance

Hole dimension

Operating temperature

2 MHz ÷ 100MHz

10 mV/mA

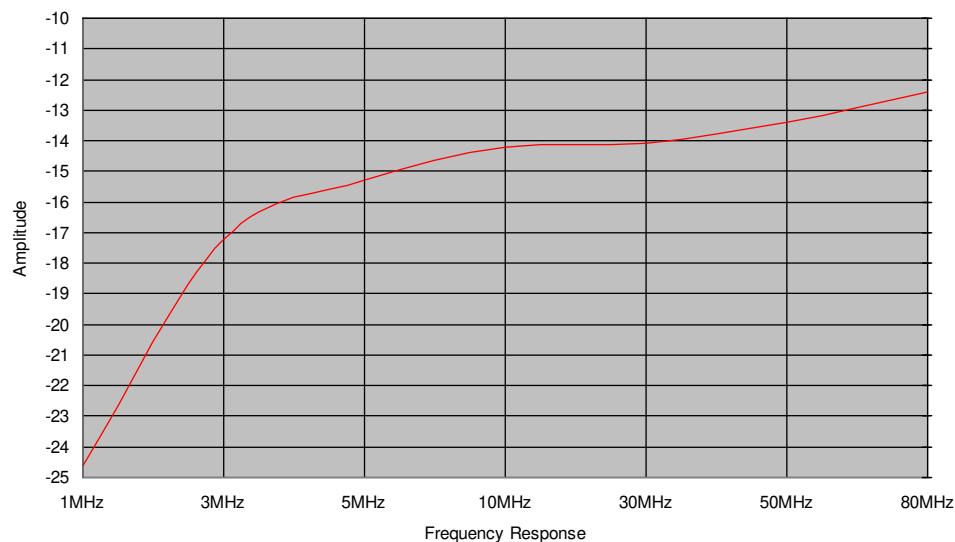
50 Ω

Φ 140 mm

-20°C +70 C

HFCT 140mm

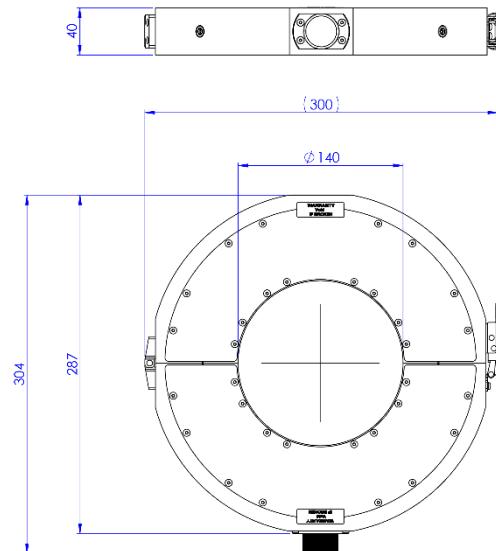
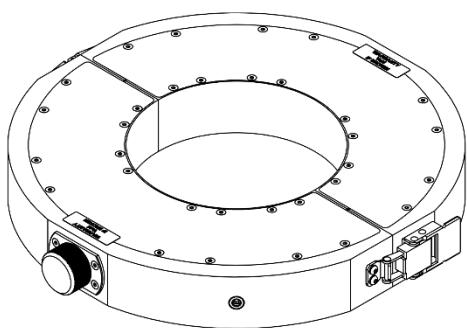
Frequency Response



Mechanical Specification

Dimensions:

310 mm x 320 mm x 40 mm



Suitable For



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.