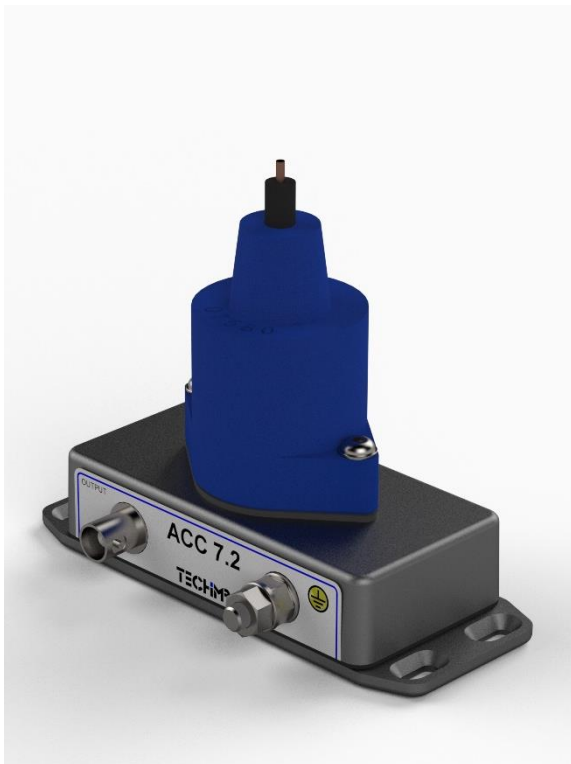


# high performance coupling capacitors

## TCC 07 1nf



TCC07 are capacitive couplers specifically designed for partial discharge measurements. Its extremely compact size makes it a good choice for on line and off line PD tests on rotating machines, for both spot measurements and permanent monitoring applications. It can be permanently installed in terminal boxes of AC power generators as well as in power supply boxes of critical power motors or inside MV bus ducts. A BNC output termination is available on the base. For permanent installation it must be fixed through 4 holes on the bottom flange. ACC07 coupler contains an internal resistor which provides a suitable dividing ratio @50Hz (as well as 60Hz) for those equipment which require a synchronization signal. It also holds an internal overvoltage gas suppressor which keeps the output voltage below safety limits even in the presence of spikes and overvoltage transient peak on the bus bars. ACC07 couplers are individually tested according to the following international standards: IEC60358; IEC60694; IEC60270 Tested at high vibration level in order to assure high reliability under the most severe conditions. It can be installed in vertical position, upside down in and horizontal position. Endurance voltage test showed an expected life (at rated voltage) in excess of 106 hours, i.e. larger than the expected life of any device it should be matched to.

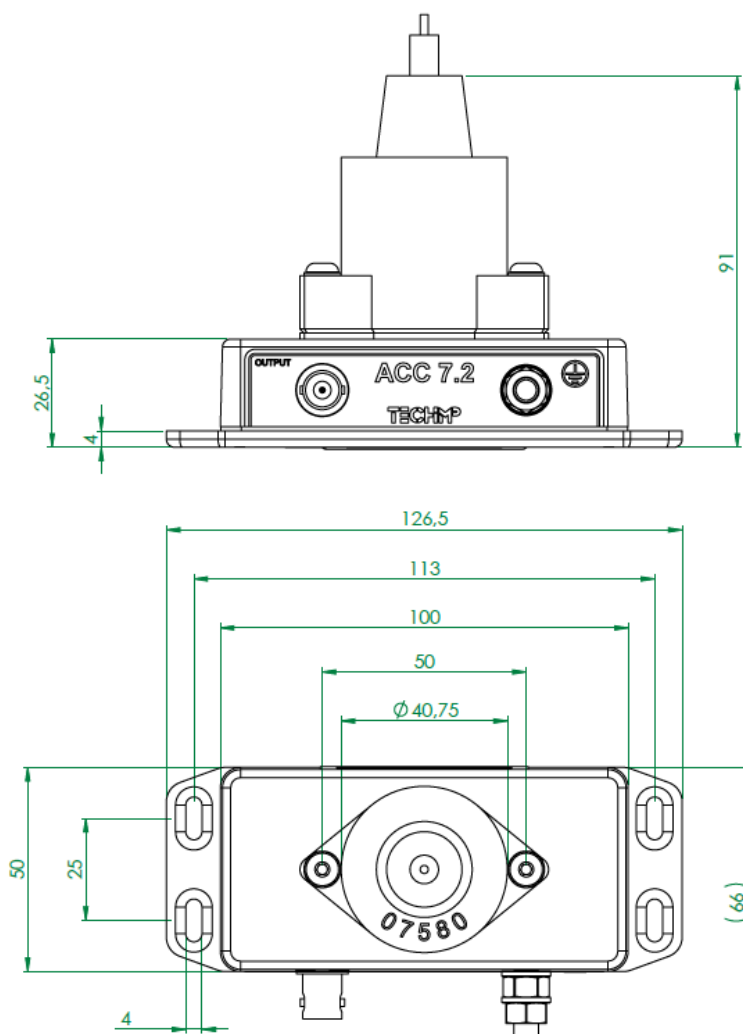
### Specifications

Capacitance  
High voltage frequency range  
Rated Voltage (phase-to-phase)  
VOUT @ Rated voltage  
High pass cut frequency (-6dB)  
AC voltage withstand  
DC voltage withstand  
Lightning pulse withstand  
Creepage distance (IEC60815)  
Tan  $\delta$   
PD level @8kV / 50Hz

1100 pF  $\pm 20\%$   
50÷60 Hz  
7 kVrms  
1.1 VRMS  
150 kHz  
20 kVrms  
45 kVpeak  
65 kVpeak  
>140 mm (medium level pollution)  
< 1.0 %  
<5 pC

# TCC 07 1nf

## Overall Dimensions



 Suitable For

MOTOR

GENERA  
TOR

PWM  
VSD

MV  
SWITCH  
GEAR

MV  
TRAFO

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.

**ALTANOVA**  
GROUP  
[www.altanova-group.com](http://www.altanova-group.com)

**TECHIMP**

TECHIMP - ALTANOVA GROUP  
Via Toscana 11,  
40069 Zola Predosa (Bo) - Italy  
T +39 051 199 86 050  
Email [sales@altanova-group.com](mailto:sales@altanova-group.com)

**isa**

ISA - ALTANOVA GROUP  
Via Prati Bassi 22,  
21020 Taino (Va) - Italy  
T +39 0331 95 60 81  
Email [sales@altanova-group.com](mailto:sales@altanova-group.com)