

Capacitive Divider 50kV



Offline PD test sensor

Techimp 50kV Capacitive Divider is a Partial Discharge sensors designed to be used in laboratory testing and off-line testing at site.

It can be chosen as detection sensor for TechImp PD Systems. By means of the combination of coupling capacitor and PQ quadrupole provides both partial discharge and synchronization signals.

The PD is filtered through a High Pass Filter, which allows test voltage rejection; the synchronization signal is filtered through a Low Pass Filter.

The coupling capacitor is guaranteed PD free (<2pC) up to rated voltage at industrial frequency (50-60Hz).

The rated voltage is considered phase to ground RMS.

Specifications

Rated Voltage (phase-ground)	50kVrms
Operating frequency range	50 Hz – 2 kHzVout
Nominal Capacitance (Cc)	1 nF±5%
Operating temperature	-10 / +40°C (-10 / +50°C @50/60Hz)
Phase shift (Synchro out vs HV applied)	<1° @50-60 Hz
Synchro out for 1kV applied	1.0 V [±5%]
50 Hz Attenuation	>140 dB (50-60 Hz)
Weight	15kg (approx.)

 Suitable For

MV
TRAFO

MV
CABLES

MOTOR

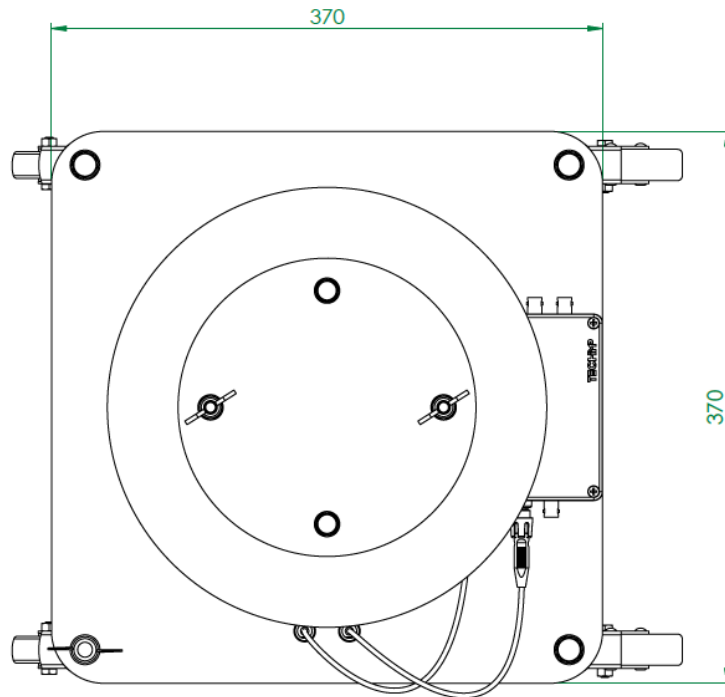
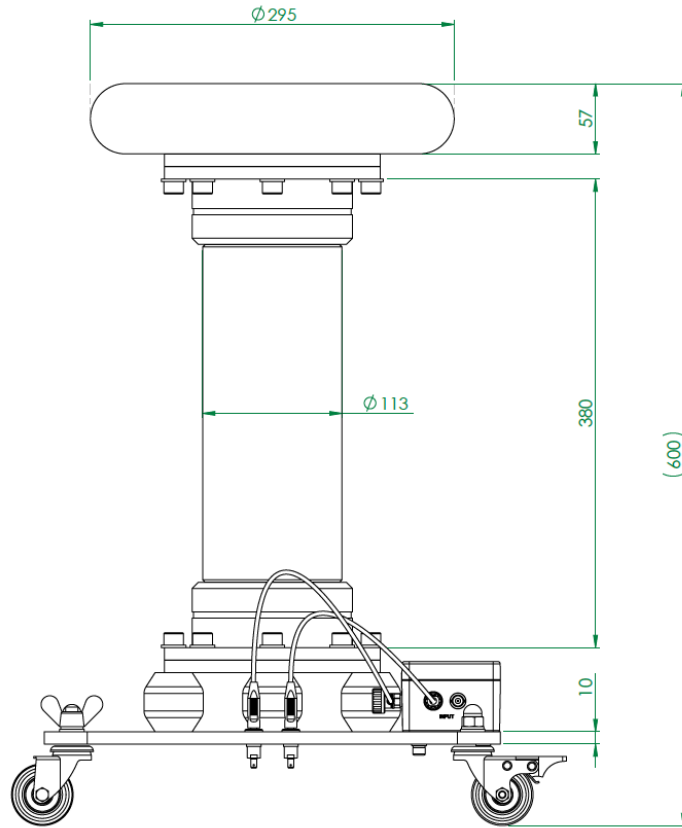
GENER
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GIS
GIL
GIB

LAB
TEST

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.

Overall Dimensions



TECHIMP

I.S.A. - Altanova Group S.r.l.
Via M. Margotti, 4/2
40033 Casalecchio di Reno (Bo) - ITALY
+39 051 199 86 050
Email sales@altanova-group.com

ALTANOVA
A DOBLE COMPANY



www.altanova-group.com