

Capacitive Divider 50kV

康高特-TECHIMP Capacitive Divider 离线
局部放电测试传感器

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 ($<2\text{pC}$) up to rated voltage at industrial frequency (50-60Hz).

The rated voltage is considered phase to ground RMS.

Specifications

Rated Voltage (phase-ground)
Operating frequency range
Nominal Capacitance (C_c)
Operating temperature
Phase shift (Synchro out vs HV applied)
Synchro out for 1kV applied
50 Hz Attenuation
Weight

50kVrms
50 Hz – 2 kHzVout
1 nF $\pm$ 5%
-10 / +40°C (-10 / +50°C @50/60Hz)
 $<1^\circ$ @50-60 Hz
1.0 V [$\pm$ 5%]
>140 dB (50-60 Hz)
15kg (approx.)

 Suitable For

MV
TRAFO

MV
CABLES

MOTOR

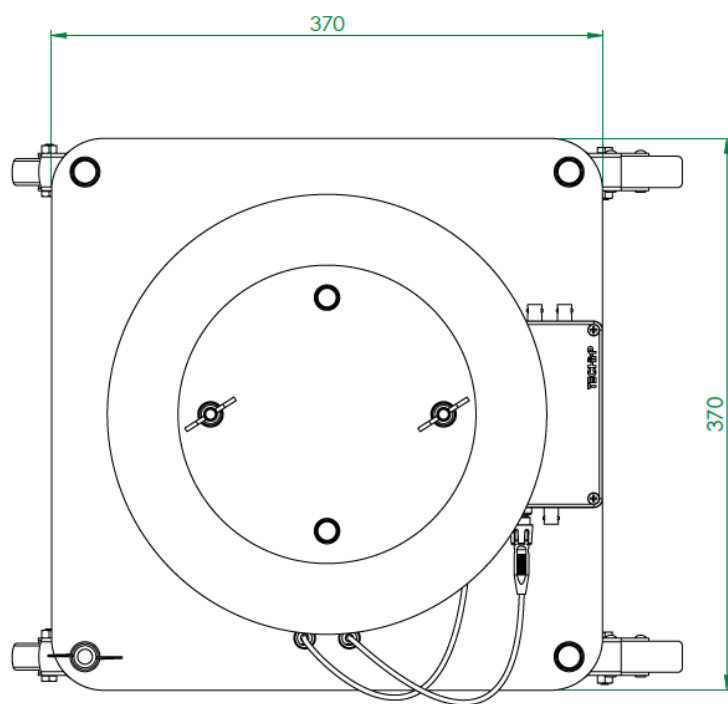
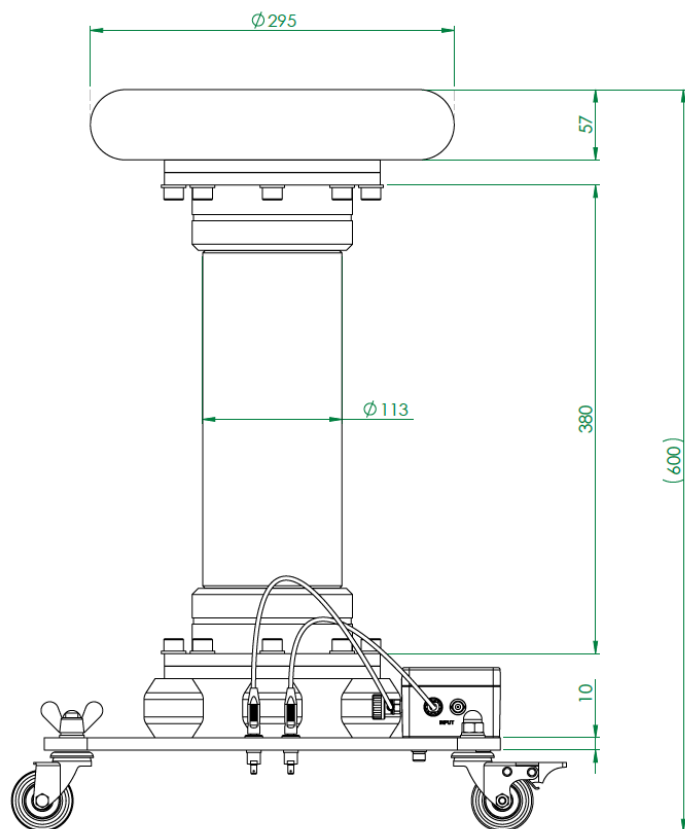
GENER
ATOR

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

ALTANOVA
A DOBLE COMPANY

