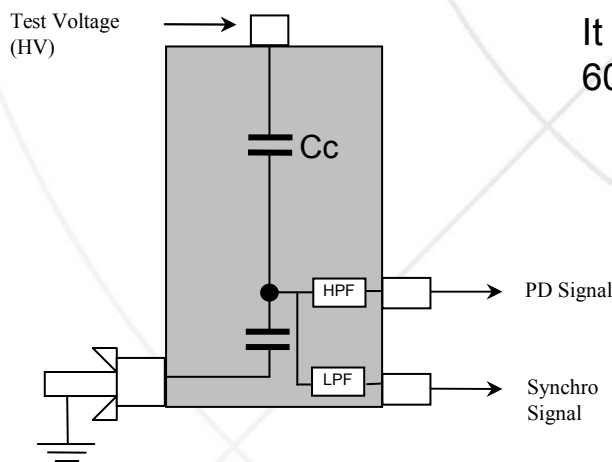


Capacitive Divider



TechImp Capacitive Divider is a quadrupole suitable to Partial Discharge measurements. It can be chosen as detection sensor for TechImp PDSystems. By means of an internal coupling capacitor (C_c), it provides both synchronization and PD signal. The first one is filtered through a High Pass Filter, which allows test voltage rejection; the second one is filtered through a Low Pass Filter. The coupling capacitor is PD free ($<2\text{pC}$, 50kV , $50\text{-}60\text{Hz}$).



It is suitable only for 50-60 Hz applications.

Dimensions:
 Φ_{max} 155 mm
 H_{max} 475 mm

Specifications

Nominal Capacitance (C_c)	Phase shift (Synchro out vs in)	High voltage for 1V Synchro out	Maximum allowed input voltage	50 Hz Attenuation
1 nF \pm 5%	$<1^\circ$ (50-60 Hz)	1.0 kV	50kV rms (50-60 Hz)	>140 dB (50-60 Hz)