

Data Sheet 6.53/1

PD Measuring Impedance, Type MIV 5

A partial discharge (PD) measuring circuit according to IEC 60270: 2000 consists of the test object, the coupling capacitor and the measuring impedance which is switched into the earth connection of the coupling capacitor or the test object. The frequency diplexer separates the PD measurement signal and the test voltage to two different outputs. Connected measurement equipment is reliably protected from dangerous overvoltages. Measurement equipment can be synchronized to the test voltage via the voltage output V. The measuring impedance is developed for an optimized frequency response and used with only one HV capacitor for PD and voltage measurement. The unit is located between the HV capacitor and the LV capacitor of the voltage divider.

Table 1: Technical data

Type	Max. current	Frequency range (PD output)	Low voltage capacitance	Max. voltage output (peak value)	Dimensions (approx.) (LxWxH)
	A	kHz	nF	V	mm
MIV 5	5	25 ... 18000	89	60	145 x 51 x 58

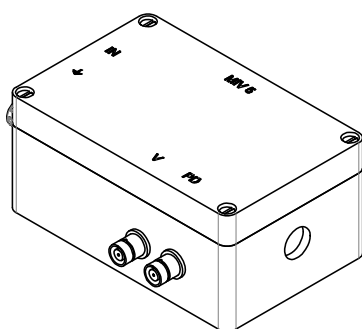


Figure 1: PD measuring impedance, type MIV 5