

Data Sheet 6.54/1

PD Measuring Impedance, Type MIVC 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 a separate coupling capacitor. Internal jumpers allow an adaption of the internal low voltage capacitor to the capacitance and the rated voltage of the coupling capacitor.

Table 1: Main parameters

Type	Max. current	Frequency range (PD output)	Low voltage capacitance	Max. voltage output (peak value)	Dimensions (approx.) (LxWxH)
	A	kHz	μF	V	mm
MIVC 5	5	25 ... 18000	10 ... 120 ¹⁾	60	210 x 110 x 58

¹⁾ adjustable in steps of 10 μF

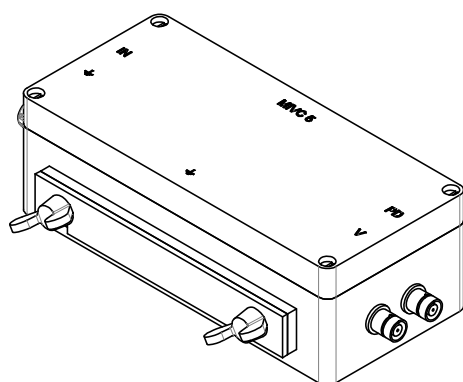


Figure 1: PD measuring impedance, type MIVC 5