

MCC Coupling Capacitors

Accessory to MPD 500 and MPD 600

OMICRON's coupling capacitors can alleviate the problems associated with setting up a partial discharge measurement (PD) system, whilst still meeting the high standards required for PD analysis.

The coupling capacitors MCC 112, MCC 124, MCC 205 and MCC 210 are available for different voltages (12 kV, 24 kV, 50 kV, 100 kV) as well as with and without an integrated quadripole (low-arm capacitance: 4 μ F). The coupling capacitors are compact, sturdy and mobile.

Different coupling capacitors for different applications

The MCC 112 and MCC 124 are compact coupling capacitors for direct connection to the MPD measurement unit and are designed for routine testing.

The MCC 205 and MCC 210 are designed with the quadripole measuring impedance built in and include a dedicated space for the MPD measuring unit and the MPP power pack. Thus, the measuring cable lengths are kept to a minimum with consequent improvements in the quality of the PD measurement. Due to the mounted wheels, they are easy to handle.

These coupling capacitors are also available as version MCC 205-L and MCC 210-L without an integrated measurement impedance.



	MCC 112	MCC 124	MCC 205 / MCC 205-L	MCC 210 / MCC 210-L
U_{max} (rms / phase-to-ground)	12 kV	24 kV	50 kV	100 kV
C_{Nominal} (\pm 10%)	1.1 nF	1.1 nF	1.0 nF	1.0 nF
Withstand Voltage (1 min)	28 kV	50 kV	95 kV	150 kV
Q_{pd}	< 2 pC @ 13.2kV	< 2 pC @ 26.4 kV	< 1 pC @ 50kV	< 1 pC @ 100 kV
Weight	4.5 kg / 9.9 lbs	6 kg / 13.2 lbs	7.6 kg / 16.8 lbs	10 kg / 22.1 lbs
Dimensions (W x H x D)	182 x 158 x 182 mm 7.2 x 6.2 x 7.2 in	182 x 238 x 182 mm 7.2 x 9.4 x 7.2 in	450 x 582 x 450 mm 17.5 x 23 x 17.5 in	450 x 736 x 450 mm 17.5 x 29 x 17.5 in
Scope of delivery	- Adapter (TNC to BNC) - BNC connection cable	- Adapter (TNC to BNC) - BNC connection cable	- Corona ring - BNC connection cables - Integrated CPL quadripole (MCC 205 only)	- Corona ring - BNC connection cables - Integrated CPL quadripole (MCC 210 only)
Order Number	VEHZ4118	VEHZ4138	MCC 205: VEHZ4116 MCC 205-L: VEHZ4119	MCC 210: VEHZ4117 MCC 210-L: VEHZ4126

OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. Services offered in the area of consulting, commissioning, testing, diagnosis and training make the product range complete.

Customers in more than 140 countries rely on the company's ability to supply leading edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with our strong network of sales partners is what has made our company a market leader in the electrical power industry.