

CPL 542 / 543 - Quadripole

Accessory to partial discharge measurement products

In most cases it is recommended to use an external quadripole with the MPD system. The CPL 542 and CPL 543 have been specially designed for this purpose and include an integrated 90 V_{Peak} overvoltage protection device.

In addition to their primary function as measuring impedances the CPL 542 and CPL 543 optimize the frequency characteristics of the MPD input.



CPL 542 Quadripole

Technical Data	CPL 542	CPL 543
Max. Currents	0.5 A or 2 A	5 A
Frequency Range (PD output)	20 kHz - 6 MHz	20 kHz - 6 MHz
Low-arm Capacitance	30 μ F (for 0.5 A version) 120 μ F (for 2 A version)	272 μ F
Input Connectors	2 x 4 mm terminals (for connecting coupling capacitor) 1 x GND	2 x 4 mm terminals (for connecting coupling capacitor) 1 x GND
Output Connectors	2 x BNC (PD & V), 1 x BNC, arc detection output (TTL signal) at breakdown of test voltage	2 x BNC (PD & V)
Dimensions (W x H x D)	150 x 60 x 100 mm 5.9 x 2.4 x 4.0 in	150 x 60 x 100 mm 5.9 x 2.4 x 4.0 in
Weight	700 g / 1.5 lbs	700 g / 1.5 lbs
Ordering Numbers	VEHZ 4100: 0.5 A version VEHZ 4101: 2 A version	VEHZ 4103

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.