

CP RC – Resonance circuit for GIS testing

Accessory to CPC 100

Comfortable HV testing

The CP RC resonance circuit consists of the CP TR8 isolation transformer and the compensation reactors CP CR4 and CR6.

With the CP RC resonance circuit connected to a so-called "Power VT", which is part of the gas insulated switchgear (GIS) a resonance circuit is realized. The CPC 100 supplies the required energy and acts as a measuring and controlling device.

This solution allows voltage withstand testing with a maximum test voltage of 200 kV for GIS rated up to 123 kV. The light-weight units are portable by a single person.

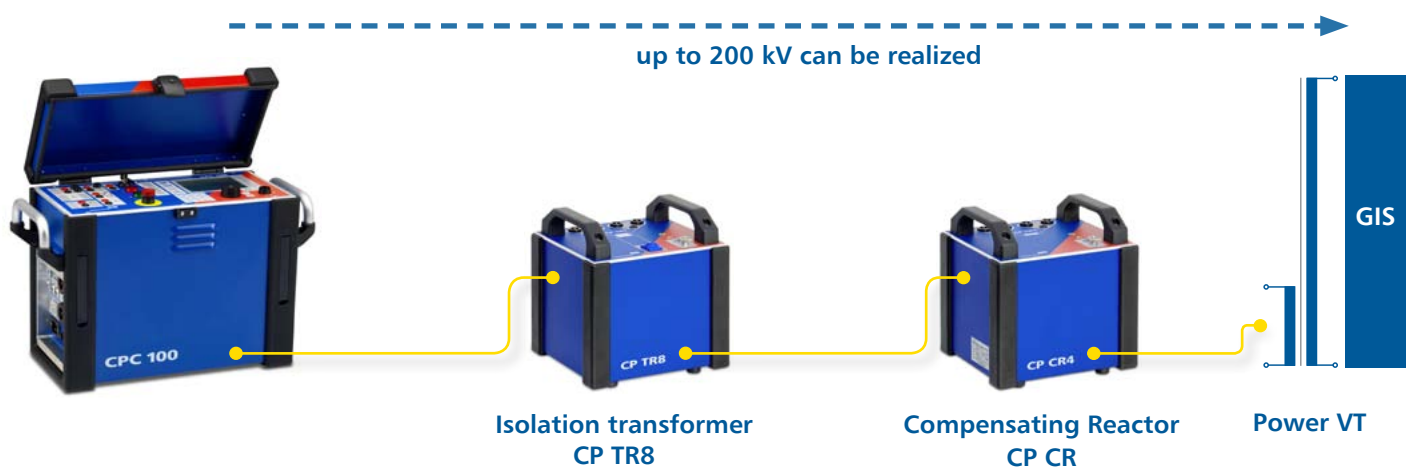
Key Features

- > Light-weight – less than 21 kg / 46 lbs per unit
- > Small – less space required in the switch gear room
- > Safe – no venting, pumping or refilling of SF₆ gas necessary
- > Fast – recurring checks possible at any time

	CP CR4	CP CR6	CP TR8
U_{Out}	220 V	220 V	220 V
I_{Out}	150 A	150 A	60 A
S_{Sec}	33 kVAr	33 kVAr	13.2 kVAr
f	90 to 120 Hz	90 to 120 Hz	90 to 120 Hz
L	4 mH	6 mH	8 mH
T_{Operation}	-10 °C to +55 °C / 15 °F to 130 °F		
Dimensions (W x H x D)	262 x 277.5 x 222 mm / 10.3 x 10.9 x 8.7 in		
Weight	20.5 kg / 45 lbs	20.5 kg / 45 lbs	19 kg / 42 lbs
Order number	VEHZ0762	VEHZ0763	VEHZ0761

CP RC resonance circuit

- > CP TR8 unit
 - > CP CR4 unit
 - > CP CR6 unit
 - > CP HV Resonance test card
 - > Cables and accessoires
- VEHZ0760



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. Broad application knowledge and extraordinary customer support provided by offices in North America, Europe, South and East Asia, Australia, and the Middle East, together with a worldwide network of distributors and representatives, make the company a market leader in its sector.

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