

UPG 620 Pulse Generator

Accessory to MPD 600



The pulse generator UPG 620 supports testing partial discharge measuring circuits in gas-insulated switchgear (GIS) and power transformers. In addition, suitable test frequencies can be determined for optimizing partial discharge measurements.

Testing the sensitivity of the UHF measurement circuit in GIS

Testing the sensitivity of the UHF measurement circuit in GIS is highly recommended by CIGRE*. A broadband impulse is injected and measured to verify the correct set-up of the measuring circuit.

The UPG 620 pulse generator is used to test the UHF circuit with a very fast slope, reaching the set voltage in less than 200 picoseconds. With a frequency spectrum of up to 2 GHz CIGRE's recommendation is achieved.

The peak voltage of the output is adjustable from 0.5 V to 60 V. Voltage can therefore be selected in either in 10 V steps or in 0.5 V steps for a greater accuracy.

* CIGRE 15/33.03.05: "Sensitivity verification for partial discharge detection on GIS with the UHF and the acoustic method"

Technical data

Rise time	< 200 ps
Decay time	> 100 ns
Frequency repetition rate	100 Hz
Power supply	2 x 9 V lithium battery for > 120 h continuous operation
Weight	700 g / 1.5 lbs
Dimensions (W x H x D)	110 x 28 x 185 mm / 4.3 x 1.1 x 7.3. in
Operating temperature	0 to 55 °C / 35 to 130 °F
Order number	VE004242

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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.

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