

UVS 610 UHF Valve Sensor

Accessory to MPD 600



UVS 610

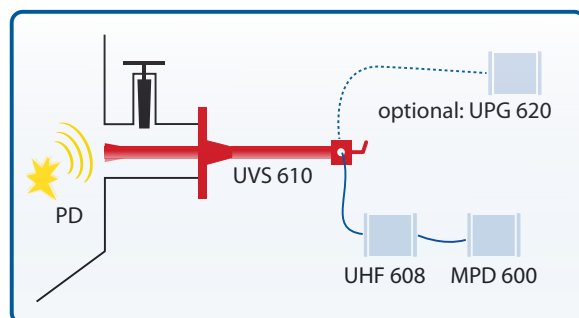
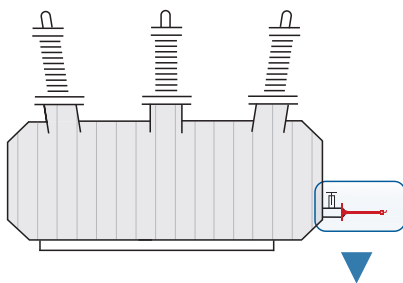
The UVS 610, together with the MPD 600 measuring system, allows partial discharge measurements to be taken in liquid-insulated power transformers.

The UHF Sensor is inserted into the power transformer via the vent of an oil drain valve. Partial discharge measurements in a UHF frequency range can be made inside the tank. This can be accomplished while the power transformer is energized. The natural screening effect of the tank means that potential external sources of interference, such as corona discharges in the measurement range, are damped. This ensures a more sensitive measurement of partial discharges.

The UVS 610 is connected to the MPD 600 measuring system via a UHF converter (UHF 608). The combination of these three devices measures, converts and analyzes PD data in a single step.

Advantages

- > Compatible with both DN 50 and DN 80 valves thanks to its special design
- > A scale on the slide-rod simplifies correct insertion into the oil drain valve
- > Allows a trigger signal to be decoupled for acoustic PD measurements or PD measurements as per IEC 60270
- > Fitted with a connector for system sensitivity check with optional device UPG 620



UVS 610 set-up with MPD 600 system

Technical Data

UHF input frequency range	150 MHz to 1 GHz
Tightness	up to 5 bar pressure (at -15 °C to +120 °C / at 5 °F to 248 °F)
Insertion depth	55 mm to 450 mm / 2.2 inch to 17.7 inch
Weight	3.1 kg / 6.8 lbs
Dimensions (Ø x H)	200 x 610 mm / 7.9 inch to 24 inch
Standard package	UVS 610, incl. carry case
Order number	VEHZ 4131

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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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