

UHF-DN50/80

Ultra-High Frequency (UHF) Partial Discharge (PD) Drain Valve Sensor



- Retrofit possible at DN50 and DN80 valves
- For oil-filled transformers
- Bandwidth: 100 MHz ... 3000 MHz
- Integrated high-pass filter

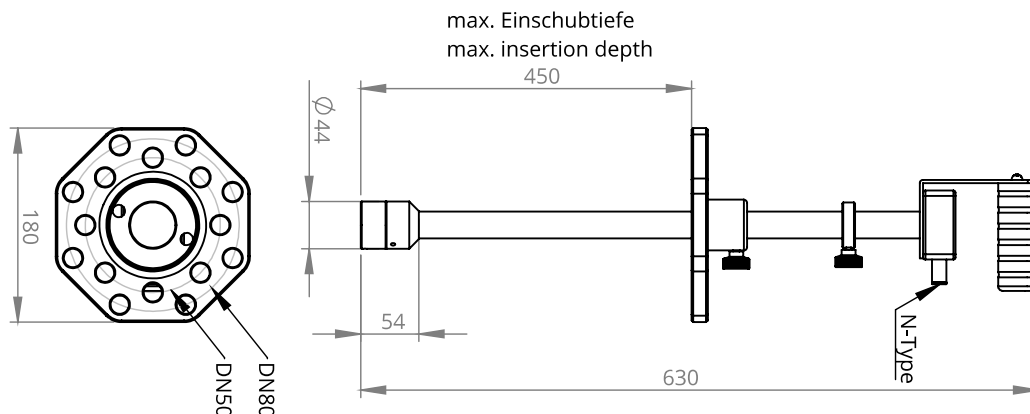
Technical Data

Bandwidth	100 MHz - 3000 MHz
Oil pressure	5 bar (max.)
Oil temperature	120°C (max.)
Connection	Type N connector female
Dimensions (H x D)	630 mm x 180 mm
Antenna diameter	44 mm
Weight	2.6 kg
IP protection class	IP 65
Operation temperature	-40°C ... +120°C
Insertion depth of UHF antenna	50 mm ... 450 mm (laser scaled)

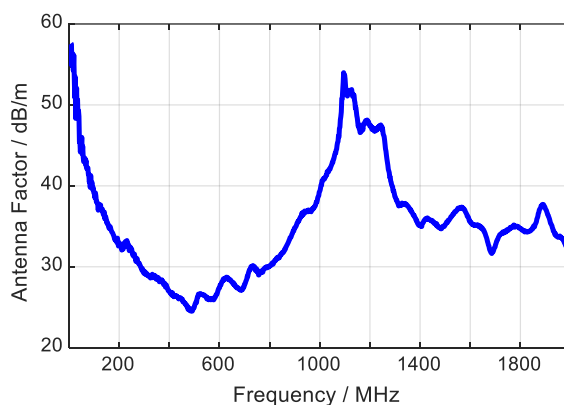
Type Tests

CE conformity	EMC, RoHS
EMC	EN IEC 61326-1 Emission: CISPR 11 / EN IEC 55011 Immunity: EN IEC 61000-4-2 / EN IEC 61000-4-3 / EN IEC 61000-4-4 / EN IEC 61000-4-5 / EN IEC 61000-4-6 / EN IEC 61000-4-8 / EN IEC 61000-4-11
	Environmental

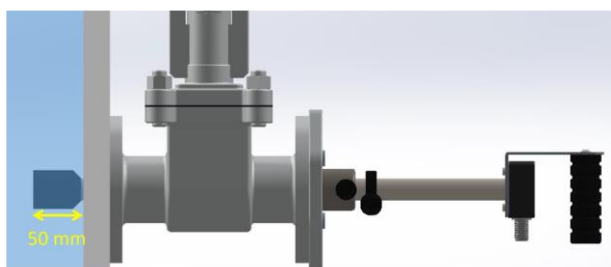
Dimensions



Sensitivity



Installation



Sensor installation:

- Retrofit possible at DN50 and DN80 valves
- Installation at transformer in service possible
- Integrated air-venting screws
- Recommended insertion depth: 50 mm

Available Accessories

- **Adaptions to other valve types:** Valves for installation need to be with straight duct and a minimum inner diameter of 50 mm is required.
- **Hard carrying cases:** Cases in various configurations for the sensors

Scope of Delivery

- UHF-DN50/80 Sensor
- Factory calibration certificate