



# RADAR LEVEL TRANSMITTER



# ULM-11-HF

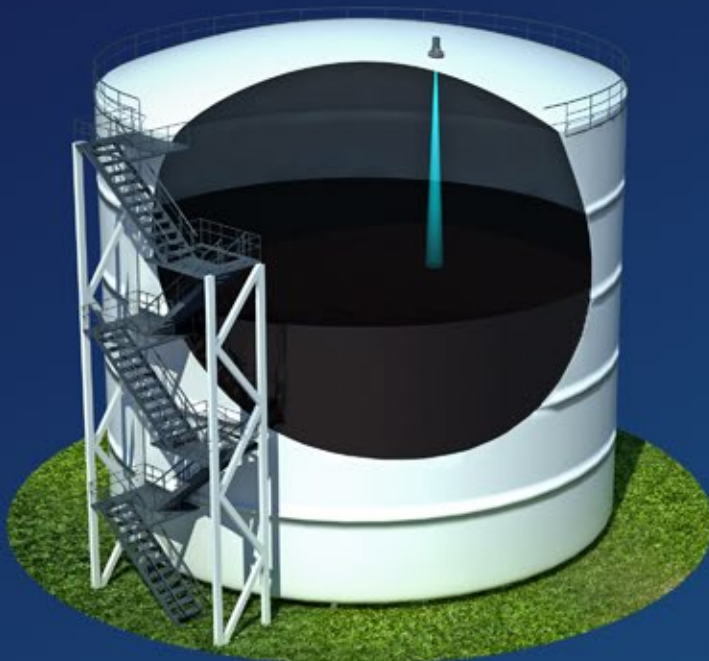
Frequency up to **140 GHz!**

**NEW HIGH ACCURACY EXPLOSION PROOF RADAR LEVEL TRANSMITTER WITH FAMILIAR HOUSING AND WITH NARROW BEAM!**

High accuracy radar level transmitter – measurement accuracy  $\pm 1$  mm! Operational frequency 120-140 GHz. Width of measuring beam  $2^\circ$ .

#### Main technical characteristics

- accuracy of level measurement  $\pm 1$  mm (up to 30 m)
- operational frequency 120-140 GHz
- beam width  $2^\circ$
- environmental temperature  $-50..+50^\circ\text{C}$
- measurement range 0,6-50 m



**ULM-11-HF is recommended for use in commercial accounting systems.**

**ULM-11-HF – Is used where high accuracy and explosion protection are required!**

#### Official international dealers:

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# ULM-11-HF

## technical characteristics

Principle of measurement	Non-contact RADAR, FMCW
Level measuring accuracy	±1 mm
Measuring beam width	2°
Range of level measuring	0,6 – 50 m
Environmental temperature	from -50 to +50° C
Additional thermal error	not detected
Temperature of measured medium	temperature has no influence on measuring accuracy
Contact with container interior	not required – can be fully isolated from the tank interior content by the radio-transparent insulating gasket
Measurements` dependence on dust level	not detected
Measurements` dependence on evaporation	not detected
Embodiment	explosion-proof, 1ExdIIBT6
Power supply	24 VDC
Output analog interface	4-20 mA
Output digital interface	RS485 (Modbus RTU), HART
Weight	6 kg

