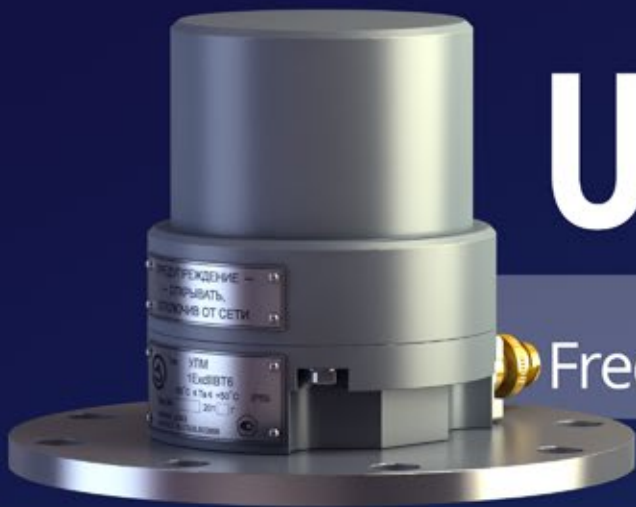




# RADAR LEVEL TRANSMITTER



## ULM-11A1-HF

Frequency up to **140 GHz!**

### NEW HIGH-FREQUENCY EXPLOSION PROOF CONTACTLESS RADAR LEVEL TRANSMITTER.

Radar level transmitter ULM-11A1-HF is a high stability level transmitter with explosion protection! Operational frequency is 120-140 GHz, the same as the whole HF range has. It has extremely narrow beam 2° and wonderful sensitivity!



#### Main technical characteristics

- accuracy of level measurement ±3 mm
- operational frequency 120-140 GHz
- beam width 2°
- environmental temperature -50..+50° C
- measurement range 0,6-50 m
- explosion-proof 1ExdII BT6
- HART
- RS485
- built in real time clock
- keeping of debugging records in non-volatile memory
- storage of calibration tables and recalculating of level into volume

**ULM-11A1 is intended for measurements of level in difficult conditions with high reliability and accuracy.**

#### Official international dealers:

China; Beijing Jindechuangye Control Technology CO.,LTD  
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Tel: +86-10-61274148,  
E-mail: kevin\_sun181@yahoo.cn, <http://www.jdcontrol.com/>

India; EIP Enviro Level Controls Pvt Ltd.  
Company address; B-45, Sector-8, Noida-201 301, India  
TEL: 0120-4243333,  
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# ULM-11A1-HF

## technical characteristics

Principle of measurement	Non-contact RADAR, FMCW
Level measuring accuracy	±3 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 radiotransparent layer
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

