



RADAR LEVEL TRANSMITTER

ULM-31A1-HF

Frequency up to **140 GHz!**



THE NEW RADAR LEVEL TRANSMITTER PROVIDING THE MAXIMUM RELIABILITY OF MEASUREMENT OF LEVEL.

Radar level transmitter ULM-31A1-HF is an absolutely new level transmitter! It has extremely narrow beam 2° and wonderful sensitivity! It perfectly measures level of loose materials and liquids. It came up very well in solving difficult tasks!

Main technical characteristics

- accuracy of level measurement ± 3 mm
- operational frequency 120-140 GHz
- beam width 2°
- environmental temperature $-40..+50^\circ\text{C}$
- measurement range 0,6-50 m
- Bluetooth
- built in real time clock
- keeping of debugging records in non-volatile memory
- storage of calibration tables and recalculating of level into volume

ULM-31A1-HF

is recommended for work in process control systems.

Official international dealers:

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ULM-31A1-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 -40 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 | IP65 |
| Power supply | 24 VDC |
| Output analog interface | 4-20 mA |
| Output digital interface | RS485 (Modbus RTU), HART |
| Wireless interface | Bluetooth |
| Discrete output | 2 relay contacts |
| Built in real time clock | |
| Keeping of debugging records in non-volatile memory | |
| Storage of calibration tables and recalculating of level into volume | |
| Weight | 6 kg |

