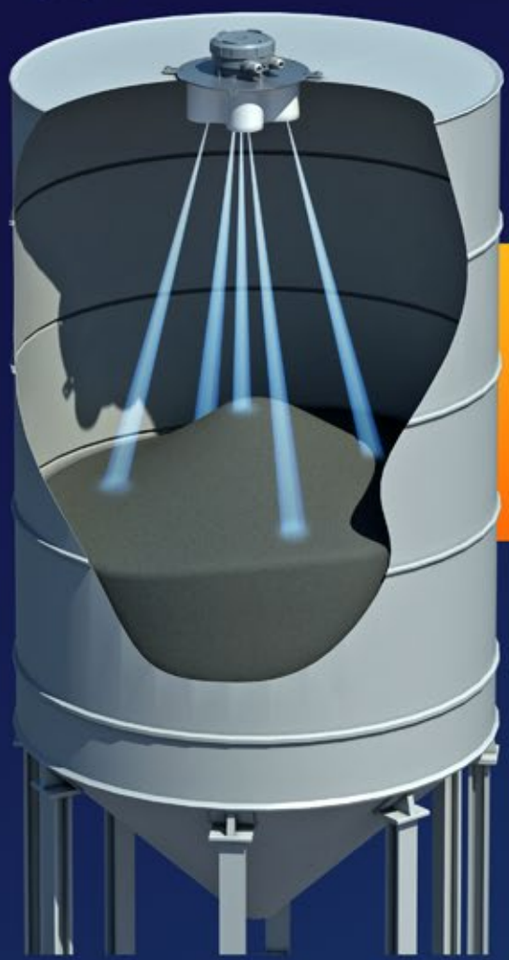
RADAR LEVEL TRANSMITTER

ULM-3D-5



THE ONLY RADAR LEVEL TRANSMITTER IN THE WORLD WITH MULTIPOINT LEVEL MEASUREMENT!!!

Main technical characteristics

• accuracy of level measurement	±3 mm
• operational frequency	120-140 GHz
• beam width	2^0
• measurement range	0,6-50 m
• Bluetooth	
• HART	
• RS485	

SIGNIFICANT INCREASE IN ACCURACY OF MEASUREMENT OF VOLUME OF THE BULK WHICH IS IN A SILO THANKS DUE TO MULTIPOINT CONTACTLESS RADAR TECHNOLOGY OF MEASUREMENT OF LEVEL.

ULM-3D-5 IS THE BEST TOOL FOR ACCOUNTING OF THE STORED BULK – CEMENT, ORE, CRUSHED STONE, GRAIN, FLOUR, ETC.

Radar level transmitter ULM-3D-5 – operational frequency of 120-140 GHz, forms several rays with angular pattern 2^0. It allows to increase by several times the accuracy of volume measurement of loose material and provide maximum stability of measurements! It provide the guaranteed measurements of level, unlike the acoustic technology applied in other level gauges with the multipoint principle!

Radar level gauge ULM-3D-5 supports the same standard interfaces as ULM-31A1, has the same electric diagram and the same adjustment methods. It is very easy to master and to integrate this in SCADA system!

Official international dealers:

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ULM-3D-5
technical characteristics

Principle of measurement	Non-contact RADAR - multipoint measurement, FMCW, volume measurement function
Level measuring accuracy	±3 mm
Range of level measuring	depends on the parameters of the measurement object, up to 5% of the total volume
Environmental temperature	from -40 to +50^0 C
Additional thermal error	not detected
Temperature of measured medium	temperature has no influence on measuring accuracy
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
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