Ultrasonic level sensors

External Ultrasonic Liquid Level Sensor, RS485, 2 m

Model DS1603DA-V1.0

Under-container ultrasonic liquid-level sensor with RS485 output, 50-2000 mm range, 50 mm blind zone and ±(5 mm + 1% of distance) accuracy.



Range	Accuracy
5-200 cm	±(5+S*1%) mm
Output	**Frequency**
RS485	2 MHz

Features

- Non-contact measurement through the container
- 10-36 V supply
- Center frequency 2 MHz
- ESD protection per IEC 61000-4-2
- Resolution 1 mm

Applications

Sealed pressure vessel level, Toxic and corrosive liquid level

Specifications

Center frequency	2 MHz
Operating temperature	-15 to +60 °C
Storage temperature	-25 to +80 °C
Resolution	1 mm
Operating voltage	10-36 V
Average current	<30 mA
Blind zone	≤50 mm
Detectable liquid level height	50-2000 mm
Working cycle	2 S
Output	RS485
Accuracy at room temperature	±(5+S*1%) mm
Probe center frequency	2 MHz

ESD	±4/±8 KV

Wiring	
Wire 1 (red)	VCC
Wire 2 (black)	GND
Wire 3 (yellow)	A
Wire 4 (white)	B
Output	RS485 output
Measuring range	5-200 cm

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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