Ultrasonic level sensors

External Ultrasonic Liquid Level Sensor, UART, Low Voltage

Model DS1603L-V1.0

Under-container ultrasonic liquid-level sensor with UART output on a 3.3-12 V supply, 50-2000 mm range and ±(5 mm + 0.5% of distance) accuracy.



Range	Accuracy
5-200 cm	±(5+S*0.5%) mm
Output	**Frequency**
UART	2 MHz

Features

- Non-contact measurement through the container
- Center frequency 2 MHz
- Blind zone ≤50 mm
- Average current <35 mA
- ESD protection per IEC 61000-4-2

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	3.3-12 V
Average current	<35 mA
Blind zone	≤50 mm
Detectable liquid level height	50-2000 mm
Working cycle	1 s
Output	UART
Response time with liquid	2 s
Response time without liquid	10 s

Accuracy at room temperature	±(5+S*0.5%) mm
Probe center frequency	2 MHz
ESD	±4/±8 KV
Output	UART serial 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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