Ultrasonic level sensors

External Ultrasonic Liquid Level Sensor, UART/RS485, 3 MHz

Model DS1603DA-V2.0

Under-container ultrasonic liquid-level sensor with UART auto and RS485 controlled outputs, 40-2000 mm range, 40 mm blind zone and ±(5 mm + 1% of distance) accuracy.



Range	Accuracy
4-200 cm	±(5+S*1%) mm
Output	**Frequency**
UART	3 MHz

Features

- Non-contact measurement through the container
- 10-36 V supply
- Probe center frequency 3 MHz
- ESD protection per IEC 61000-4-2
- Resolution 1 mm

Applications

Sealed pressure vessel level, Toxic and corrosive liquid level

Specifications

Operating temperature	-15 to +60 °C
Storage temperature	-25 to +80 °C

DS1603DA-3U V2.0

Operating voltage	10–36 V
Average operating current	<30 mA
Blind zone	≤40 mm
Liquid level detection height	40–2000 mm
Working cycle	2 S
Output	UART
Resolution	1 mm
Accuracy at room temperature	±(5+S*1%) mm
Probe center frequency	3 MHz

ESD	±4/±8 KV

DS1603DA-3R V2.0

Output	RS485
Operating voltage	10-36 V
Output	UART serial output / RS485 output
Measuring range	4-200 cm

Ordering and support

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

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