

Ultrasonic level sensor with external gauge, 5 m range, 4-20 mA, G1, direct lead, 3 m cable

## LLUSCS02-5301 Liquid Level Sensors



### Features

- External LCD display
- High reliability
- Rugged industrial grade housing
- G1 process connection
- 4-20 mA output

### Applications

- Petroleum Industry
- Water and sewage treatment
- Chemical Production
- Food and beverage
- Non-contact level monitoring

### Description

The LLUSCS02-5301 Ultrasonic level sensor with external gauge is a non-contact, highly reliable level measuring instrument. It is easy to install and maintain, and provides continuous level measurement without touching the medium. It is well suited for monitoring fluids of varying viscosity as well as granular solid materials, such as bulk dry goods.

### General Specifications

Application:	Level Sensing
Sensor Type:	Ultrasonic external gauge
Electrical Connection:	Direct Lead
Process Connection:	G1
Connection Type:	3 meter 4 wire cable
Output Signal:	4-20 mA
Resolution:	3mm or 0.1% (whichever is larger)

Description	Minimum	Typical	Maximum	Unit
Sensing Distance			5,000	mm
Resolution Ratio			5	mm
Accuracy		0.5		% Full Scale

### Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
DC Power Supply Voltage		24		VDC
Power Supply Current		100		mA
Power Supply Voltage			±5	%
Pressure Resistance			3	bar

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Ultrasonic level sensor with external gauge, 5 m range, 4-20 mA, G1, direct lead, 3 m cable LLUSCS02-5301](#)

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Power Consumption	≤2.5	W
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### Material Specifications

Description	Material
Cable Material	PVC
Housing Material	Polycarbonate

Notes: Resistant to weak acids and alkali; Display: IP65

### Environmental Specifications

Temperature (Operating)	-20 deg C to 60 deg C
Temperature (Probe Resistance)	-20 deg C to 80 deg C
Ingress Protection	IP68

The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

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# LLUSCS02-5301 CAD Drawing

Ultrasonic level sensor with external gauge, 5 m range,  
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