CLD Series
Continuous Level Detection Sensors

FEATURES

- **Non-invasive ultrasonic technology**
- **Bottom-up liquid level measurements**
- **High accuracy and reliability**
- **Analog output voltage proportional to liquid level**
- **Optional separate logic output to report custom specific liquid level set points**

SPECIFICATIONS

Maximum ratings

Supply voltage (V_S)	min. 6 V_{DC}, max. 24 V_{DC}
Supply current	max.100 mA
Temperature limits	
Operating	5...60 °C
Storage	-20...85 °C
Humidity limits	0 - 95 %RH (non-condensing)

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PERFORMANCE CHARACTERISTICS

Characteristics	Min.	Typ.	Max.	Units
Analog output low voltage	0.5			V
Analog output high voltage			5	
Logic low voltage			0.6	
Logic high voltage	V_S - 0.7			
Analog output current			10	mA
Output sink current (output low)			25	
Output source current (output high)			25	
Response time		250		ms

TANK/VESSEL REQUIREMENTS:

The material of the tank or vessel can be of metal or plastic. It must be single wall construction and shall have a location on the underside that is relatively flat and parallel to the surface of liquid. Any obstruction in the tank or vessel may effect the sensor output.

The sensor mounting flange shall be fixed to the bottom side of the vessel or tank using two # 10 screws.

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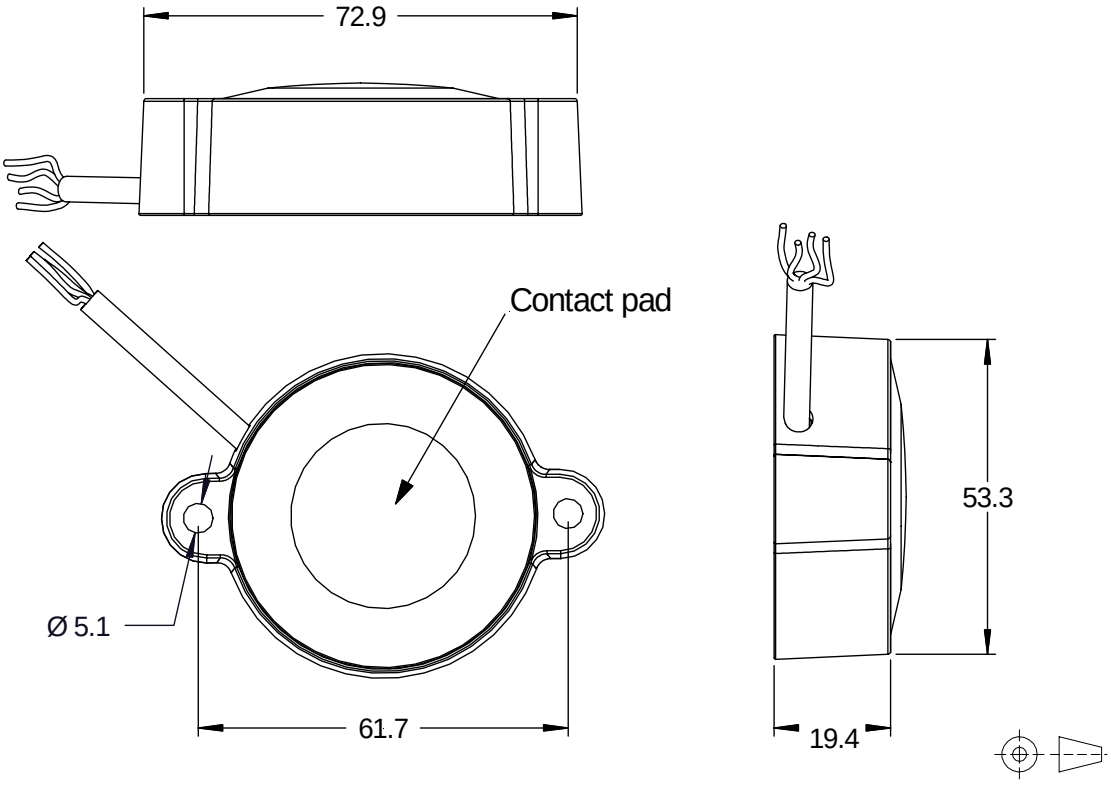
OUTLINE DRAWING



mass: approx. 84 g

third angle projection

dimensions in mm

ELECTRICAL CONNECTION

Pin	Color	Connection
1	Red	Supply voltage
2	Black	Power and signal return
3	Orange	Analog output
4	Green	Logic output (optional)

Note: **Custom specific options are widely available.**
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