

The CimPro overflow logger is an advanced IoT data logger, specifically designed for the most critical applications in the water sector, such as overflow monitoring and level measurement. Powered by long-life built-in batteries, the logger delivers up to 5 years of reliable, maintenance-free operation—depending on the application. With its robust design, the CimPro overflow logger provides continuous insight into various climate parameters



#### Applications

- Overflow registration
- Level monitoring
- Monitoring of water quality parameters

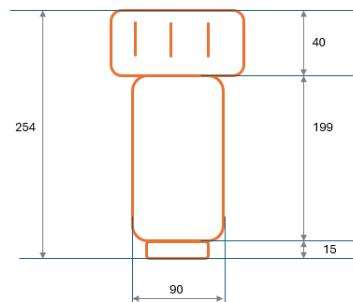
#### Key features

- Robust IP68 housing
- Built-in batteries
- Suitable for installation under manhole cover
- Sensor and IoT data logger separated
- Works with any sensor
- Direct integration with Microsoft Azure, Amazon and Cumulocity
- Many interfaces possible

#### Specs datalogger

- Protection rating : IP68
- Power supply : Up to 3 x 13.0 Ah Lithium Thionyl
- 1 x D/I (0-30VDC or potential free contact)
- 1 x A/I 0-1V, 12 bit resolution
- Modem: LTE Cat-M1/NB-IoT
- 1 x RS485 Modbus
- 1 x SDI-12
- Sampling interval: 1-255 minutes
- Format messages : MQTT

#### Dimensions



## Sensor

- **Radar**
  - **Measurement principle : Radar,**
  - **Measuring range : up to 15 m**
  - **Deviation :  $\leq 2$  mm**
  - **Beam angle:  $8^\circ$**
  - **Measuring frequency: 80 GHz technology**
- **Hydrostatic**
  - **Measurement principle: piezoresistive level probe**
  - **Measuring range : up to 100 m**
  - **Accuracy  $\leq \pm 0,1\%FS$**



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## Antenna

- **Protection rating : IP68**
- **Type : Omnidirectional**
- **Length : to be discussed**
- **Frequency Range : 800 MHz- en 900 MHz**
- **Temp.range  $-40^\circ\text{C} \sim +65^\circ\text{C}$**
- **Impedance :  $50\Omega$**

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## More info

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