

## Measurement of the water or snow depth with an ultrasonic sensor

*This not immersed sensor measures the elapsed time between emission and reception of an ultrasonic pulse and deducts a distance with a great accuracy. That measurement can be used to determine the water level or the snow depth without any contact with the controlled environment.*

### Specifications

- Ultrasonic module with incorporated platinum sensor element
- Measurement range : from 70 cm up to 10 meters
- Measurement time : 0,6 second (1 second max.)
- Accuracy : < to 1 centimeter
- Resolution : 1 millimeter
- Processing algorithms :
  - Multiples salvos for waves elimination
  - Digital filtering to eliminate foreign floating bodies
  - Automatic correction of the variations of the sound speed in air with a temperature sensor incorporated to the module
- Operating temperature : -40°C to +60°C
- Power supply : 5 Volts
- Power Consumption : 1mA during measurement (no cons. in stand-by)
- Maximum cable length : 150 meters.
- This sensor can be used with the ENERCO 400 series acquisition unit. That unit supplies the power and benefits of all the transmission options of the ENECO acquisition units.
- Weight : 1,6 kg
- Dimensions : Length 20 cm, Height 25 cm



**GSM water-level ENERCO 408 weather station** (Thau pond)  
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