

# Autonomous ultrasonic sensors

## Applications:

An integrated and autonomous solution, the RADIUS continuously measures the level, logs and timestamps threshold crossings and calculates flows and volumes of spills in the natural environment.

Data can be retrieved locally or remotely via radio.

## Simple and high-performing:

Ultrasonic sensor that is waterproof, autonomous (> 5 years) and without contact points, so without fouling, the RADIUS allows you to measure and record (54,000 measurements) levels. The computing power of the RADIUS allows it to automatically calculate the bit rate and volume as well as to go into fast acquisition depending on the level.

The absence of a blind zone as well as the possibility of eliminating parasitic fixed echoes, allows for the use of the RADIUS in the most restricted environments.

## Complete and communicating:

Its ergonomic software interface allows for easy downloading, via USB, of the stored data (levels, flow rates, volumes, number and duration of crossing thresholds or overflows...).

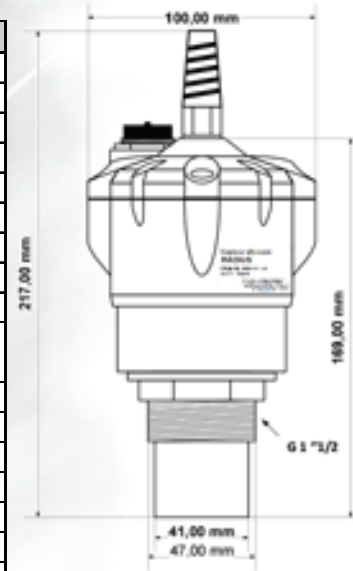
## Available:

- Fast delivery
- Constant technical availability to answer your questions.



C103A-0519

RADIUS	ULTRASONIC SENSOR
Supply voltage	Batteries 7.2V =
Typical standby consumption	90µA
Measurement range	3,200 mm (air draft)
Transmission cone	± 7° at -3dB
Resolution	1 mm
Linearity	0.2% of the full scale
T° compensation	Yes
Output signal	USB
Memory capacity	54,000 measurements and 2,500 overflows
Stored measurements	Level (mm), Air Draft (mm), Flow, Echo Power (%), Temperature (°C/10), Battery voltage (mV), Overflow in progress (0 or 1)
Settings	Via "HMI Sensor" Software Provided
Protection rating	IP68
Operating temperature (storage)	-20 to 60°C
Material	Polycarbonate
Dimensions (mm)	∅ = 100, H = 217
Weight (g)	780
Fixing	Threaded shaft ∅ = 47.8 mm and nut G 1"½ (40-49) for adapted support or suspended by cable



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The specifications described in this document may be changed by the manufacturer without notice. Photographs may differ from actual product.

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