

# TRANSPONDER 169

Solution for AMR systems



- Wireless M-Bus 169 MHz
- 1a / 1b / 2a / 2b / 3a / 3b channel
- Unidirectional/Bidirectional communication
- Ultra Low Power
- Li-SOCL2 with high capacity
- Protection IP68

The **169 MHz Telereading Transponder** is the solution to implement smart metering networks of mobile type (Walk-by or Drive-by) or fixed AMR. The device allows monitoring of direct and reverse flow of the various users and to detect, in real-time (fixed network), any fraud or water losses by sending alert.

## Performances

Power transmission 169 MHz: +25 dBm E.R.P.

## Firmware

Wireless M-Bus N1/N2  
Channel: 1a, 1b, 2a, 2b, 3a, 3b  
Transmission: daily programmable  
Cryptography: AES128

## Consumption and needs

Operation voltage: 3.6V  
Power supply: Li-SOCL2 high capacity  
Lifespan: up to 15 years

## Main Advantages

Avoid water leaks  
Check your consumption  
Cut water wastage  
Get water balance

## General information

Operating temperature: -20°C/+55°C  
Integrated mounting system: pipe  
Dimensions: 60,5 x 91,3 x 68 mm  
Protection: IP68  
Standards: UNI/TS 13757  
Weight: 0,2 Kg

## Application features

Tx scheduling and alarm thresholds remotely adjustable  
Direct and reverse flow  
Removable alarm  
Cut wire

