



Quad Band  
GSM/GPRS



Up to 5 years  
long battery life\*



Easy Installation

## Introduction

S810 GSM Sensor Node enables remote reading of existing water meters and transmits it wirelessly over the GSM Network. In addition to Automatic Meter Reading (AMR) functionality, S810 offers advanced features that empowers the utility providers to offer additional services to their customer.

The high strength, impact resistant IP67 rated casing makes S810 well suited to be used in harsh outdoor environments.

## S810 Features

- Temper detection
- Removal detection
- Back flow detection
- High flow detection
- No flow detection
- Small and large leakage detection
- Magnetic temper detection
- Battery health detection

## S810 Technical Specifications

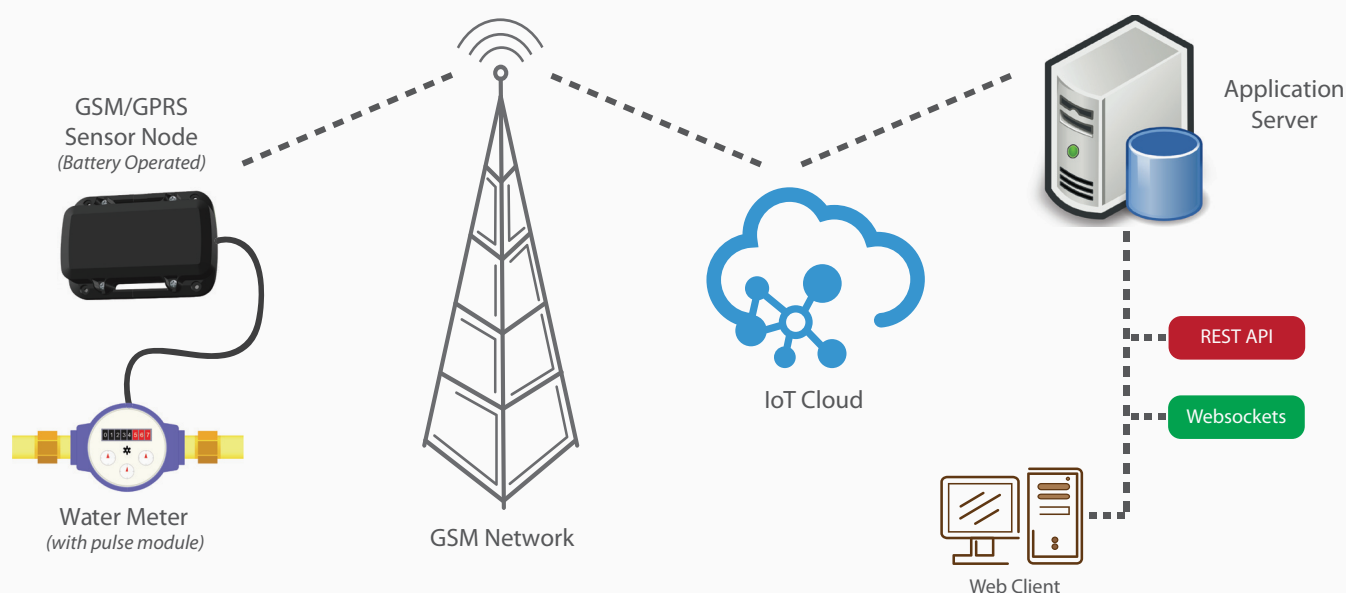
Communication:	GSM/GPRS
Radio Features:	<ul style="list-style-type: none"> <li>•Quad-band 850/900/1800/1900MHz</li> <li>•GPRS multi-slot class 12/10</li> <li>•GPRS mobile station class B</li> <li>•Compliant to GSM phase 2/2+</li> <li>–Class 4 (2 W @ 850/900MHz)</li> <li>–Class 1 (1 W @ 1800/1900MHz)</li> </ul>
Radio Certifications:	CE, FCC
Radio Compliance:	EN60950-1 EN62311:2008 EN301 489-1 V2.1.1 EN301 489-52 V1.1.0 draft EN301 511 V12.1.10 draft
Power Source:	Lithium battery
Battery Life:	upto 5 years <i>(based on 2 transmissions per month)</i>
Digital Inputs:	4x Logic Level <i>(for pulse, tamper, backflow etc.)</i>
Digital Outputs:	2x Open Connector <i>(to control supply valve etc.)</i>
Minimum Pulse Duration:	1 millisecond
Dimensions:	5.4" x 2.7" x 1.3"
Casing Material:	High strength, impact resistant, RoHS compliant ASA Plastic
IP Rating :	IP67
Operating Temperature:	-20°C ... +70°C

GSM/GPRS  
Sensor Node



Water Meter  
(With pulse module)

## AMR For Water System Overview



**SciFlair**

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