



Introduction

S820 Sigfox Sensor Node enables remote reading of existing water meters and transmits it wirelessly over the Sigfox Network. In addition to Automatic Meter Reading (AMR) functionality, S820 offers advanced features that empowers the utility providers to offer additional services to their customer.

The high strength, impact resistant IP67 rated casing makes S820 well suited to be used in harsh outdoor environments.

S820 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

S820 Technical Specifications

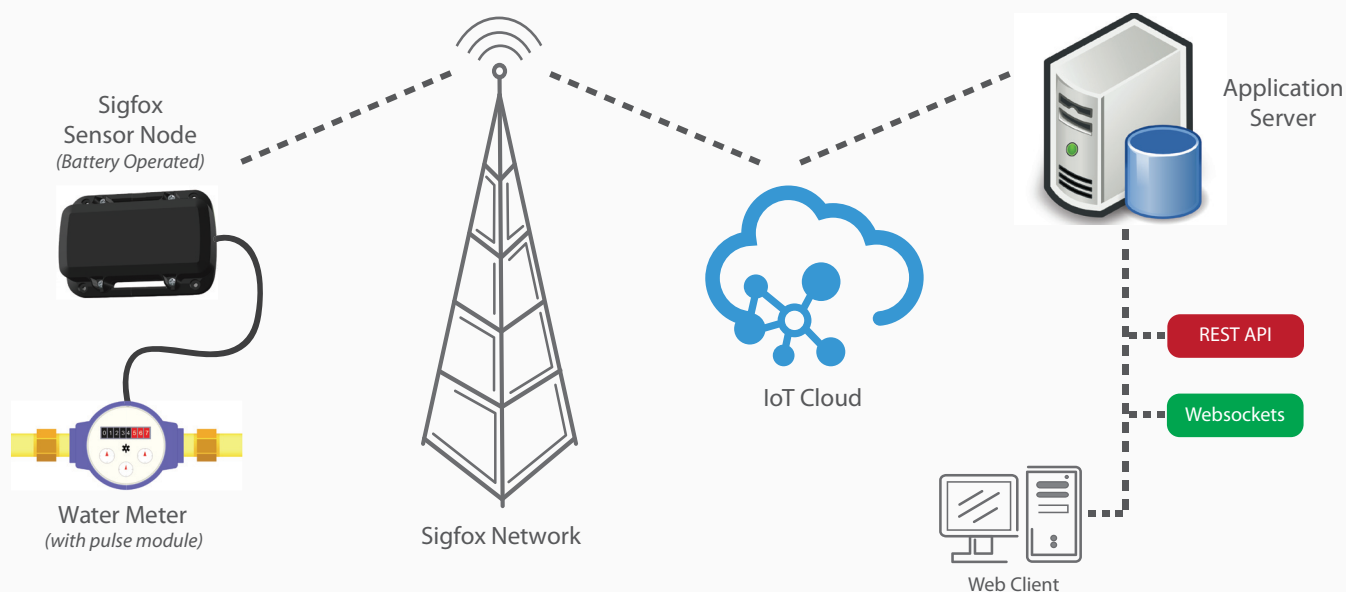
Communication:	Sigfox
TX Power:	Upto +14dBm (25mW)
RX Sensitivity:	Down to -127 dBm
Radio Band	868 MHz (EU)
Radio Compliance:	CE, Sigfox Verified
Power Source:	Lithium battery
Battery Life:	10 years (12 transmissions per day) 5 years (24 transmissions per day) 2 years (48 transmissions per day)
Digital Inputs:	4x Logic Level (for pulse, tamper, backflow etc.)
Digital Outputs:	2x Open Connector (to control supply valve etc.)
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

Sigfox
Sensor Node



Water Meter
(With pulse module)

AMR For Water System Overview



Contact Us:

Europe

Henleaze House, Harbury Road,
Bristol BS9 4PN
United Kingdom
Phone: +44 117 313 7585

Middle East

Office 7, Floor 5, KOM 4,
Knowledge Oasis Muscat
Sultanate of Oman
Phone: +968 97649295

SciFlair

website: www.sciflair.com
email: info@sciflair.com

Specifications are subject to change without prior notice.
©2017, SciFlair Ltd. All Rights Reserved.
(V1.0)