

Meter Agnostic SmartPoint 550W

Flexible Meter Reading



Sensus FlexNet™ provides a smart water AMI solution for utilities. The 550W SmartPoint radio allows Sensus qualified 3rd-party water meters to operate over the FlexNet long range radio network.

It provides a bridge between the unlicensed low-power short-range radio of the meter and delivers the data over high power, licensed radio channels to the FlexNet Head End System. Licensed radio enables smart meter data to be carried securely, over long distances, whilst minimising radio network infrastructure. As a result, Sensus can offer a Service Level Agreement for reliable data delivery and end-to-end network integrity.

The SmartPoint has a two-way communication capability for over-the-air updates, enabling an efficient one time installation without recurring site visits or inconveniencing the end customer.

The solution is designed to provide accurate consumption, alarm and event data at defined intervals enabling actionable decision intelligence - including leak identification and water balance data.

Features

- Migration of suitable wM-Bus radio meters to utility grade FlexNet communication
- Easy migration path from AMR to AMI
- Ensure Asset life of standards based wM-Bus meter
- Keeps local reading capability
- Fits to all installation conditions inside and outside
- Designed to fit under boundary box lids, plastic, composite, brick and concrete ISM Short Range Radio support
- Supporting standard OMS V3 wM-Bus T1 allows a seamless integration of standard radio water meters
- Long Range Radio (Sensus FlexNet™)
- Secure AES 256 bit encryption
- Firmware upgradable

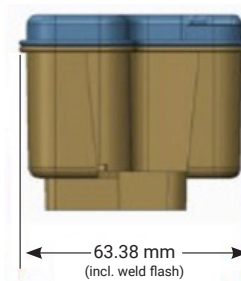
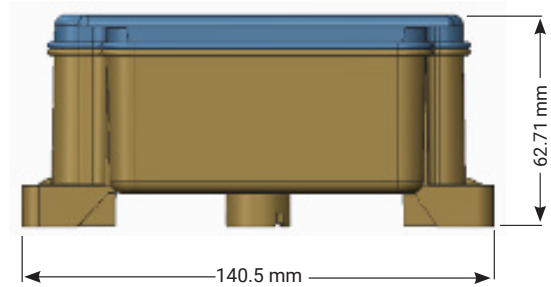
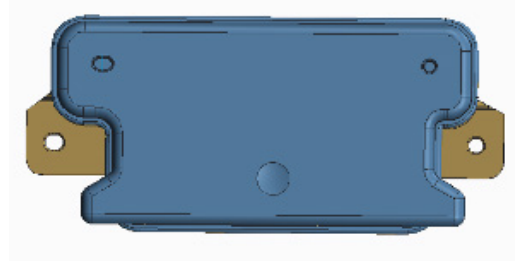
Applications

- Bridge standard OMS compliant meters to two-way Advanced Meter Infrastructure (AMI)
- Reading for Billing
- Monitor Distribution Network
- Analyse Consumption

Specifications

Service	Pit set installation interfacing to the utility meter via low power radio
Frequency Range ISM	434.475 MHz, License Free, wM-Bus acc. EN13757-4 supports OMS V3 and V4
Sensus FlexNet	Licensed 4xx MHz with minimum 8 MHz separation between TX & RX
FlexNet Modulation	7 FSK Half Baud, C&I (4.022 kbps), 13 FSK Half Baud, Priority (8.044 kbps), 7 FSK (8.044 kbps), 13 FSK (16.088 kbps), 2 FSK (5 kbps) 2 FSK (100 kbps)
Environmental Conditions	IP68
Power supply	Internal battery (C-cell)
Weight (g)	185
Operating Temperature	-25 °C to +40 °C
Lifespan	15 years
Security	FlexNet: AES256 Encryption
Certifications	CE, UKCA, RED, RoHS2, REACH, EN 61010-1, EN 62311, EN 301 489-1, EN 301 489-3, EN 300 113, EN 300 220-2, UK: IR 2065, UK: OFCOM Licence No: 310692, Belgium: BIPT Decision 24-04-2013, Czechia: PVP/15/04.2016-7, Czechia: PV-P/15/04.2016-7, Netherlands: Licence No: 6526029 and 7163055, Slovakia: Decision 1610501017, EN 50581
Transmitter Power (FlexNet)	+29 dBm
Memory	Firmware Upgradable

Dimensions



The SmartPoint 550W enables open FlexNet systems

