FM442p-n
Plug & Play IoT Sensor for Pulse meter

Gas

NB-IoT
LTE-M

Heat, Water

Product Range

BelSenso
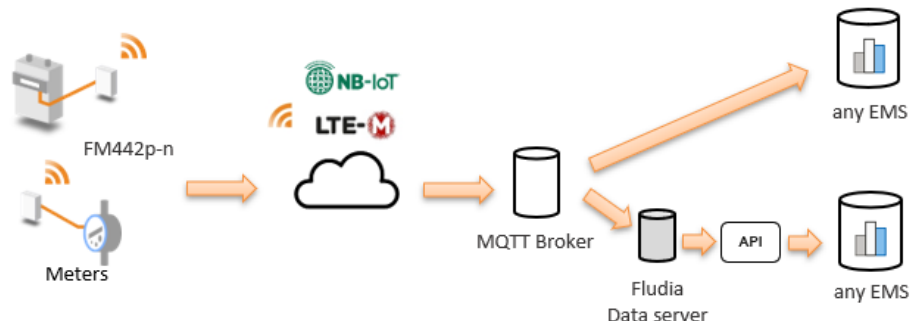
FM442p-n

Plug & Play IoT Sensor for Pulse meter

The **FM442p-n** is a plug-and-play IoT sensor designed for monitoring energy consumption in all types of buildings. It can be connected to all kinds of meters featuring a pulse output (water, gas, heat, electricity). The NB-IoT/LTE-M modem connects through standard cellular networks. Measurement data is transmitted to an MQTT broker and can be retrieved by any EMS (Energy Management System).

Benefits

$\Rightarrow$ **Universal:** compatible with meters featuring a pulse output (water, gas, heat, electricity,...)

$\Rightarrow$ **Configurable:** Measurement and transmission intervals remotely adjustable

$\Rightarrow$ **Autonomous:** Battery-powered for multiple years of operation

$\Rightarrow$ Designed and manufactured in France

Operational

Application

Smart Home

Multifluid
monitoring

Smart Building

Energy & Water
control and savings

Smart City

Multifluid
budget control

General and technical features

	FM442p
Input	- Pulse Input (open collector or REED)
Output	- NB-IoT and LTE-M supported - MQTTs protocol
Operational	- Red and green LEDs for commissioning and diagnostics
Data	- Energy index and power load curve every 10, 15 or 60 minutes (remotely adjustable) - Default configuration: index increment every 15 minutes, data sent every 4 hours
Power supply	- Two replaceable A-size batteries: 3.6V Lithium-Thionyl Chloride (Li-SoCl$_2$)
Size & Weight	- Battery box size: 95 x 75 x 30mm / Weight : 130g - Cable length: 150 cm - Option: binder cable

FM442p-n

Reference

FM442p-n_ap_15mn	IoT Sensor for pulse meter - data 15mn

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