

# *BelSenso* FM432g-n

LoRa Gas Tracker



# BelSenso FM432g-n LoRa Gas Tracker



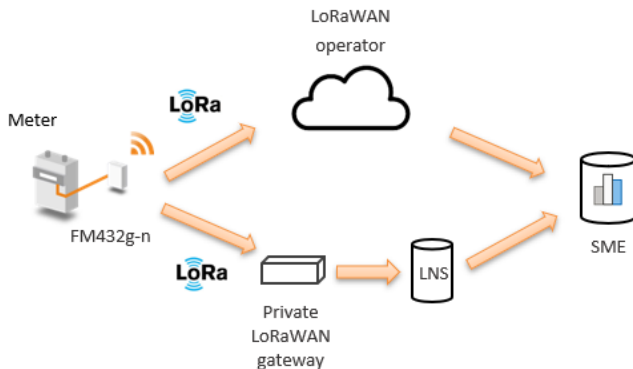
**BelSenso FM432g-n** is a universal sensor transmitting gas consumption data from an existing meter to a server. It provides the ideal starting point for analyzing the level of consumption and offers a complete interoperability with IoT LoRa networks in order to rapidly report any change. It is the ideal device for deployment of energy efficiency services dedicated to Small and Medium Buildings, especially in the SoHo and residential markets.

## Benefits

- ⇒ **Universal:** designed for all gas meters with mechanical display
- ⇒ **Plug & Play:** self installation (< 5mn)
- ⇒ **Precision:** monitoring consumption every 10mn or 15mn
- ⇒ **Autonomy:** 5 years with battery



## Operational



## Implementations

- ⇒ **Energy Efficiency in buildings:** monitoring the general gas consumption
- ⇒ **Budget Energy control for residential:** supervision of consumption trends
- ⇒ **Data analytics:** identification of end-uses through peak detection

## General and technical features

	BelSenso FM432g-n	
Input	Optical reading of one of the digits of the mechanical display Detection of digit rotation	
Output	LPWAN 868 Mhz Network - LoRaWan 1.0 Internal antenna (PCB) - RF Power 14 dbm (25mw)	
Operational	Fixing with adhesive pads (3M) Orange, Red and Green LED indicators T°: -15°C to +45°C	
Data	Load curve measurement every 10mn, 15mn Transmission of 20 messages/day (*) Data delivery (csv/json format)using FTP or API request.	
Power supply	Internal battery 3.6V, autonomy of 5 years	
Size & Weight	<b>Optical reader</b> weight: 18gr (with cable) height: 34mm width: 46mm (without cable) depth: 15mm	<b>Radio box</b> weight: 130gr height: 94mm width: 74mm depth: 30mm

## FM432g-n



### Reference

FM432g-n_ap_10mn	LoRa Gas Tracker - data 10mn (**)
FM432g-n_ap_15mn	LoRa Gas Tracker - data 15mn (**)
FM432g-n_ap_1h	LoRa Gas Tracker - data 1h (**)

(\*) Based on complete network availability

(\*\*) The Radio Box includes 2 Lithium size A batteries

### Contact:

Fludia - 37 avenue Edouard Vaillant - 92150 Suresnes - France  
Phone: +33 (0)1 83 64 13 90 - Email: [contact@fludia.com](mailto:contact@fludia.com) - [www.fludia.com](http://www.fludia.com)