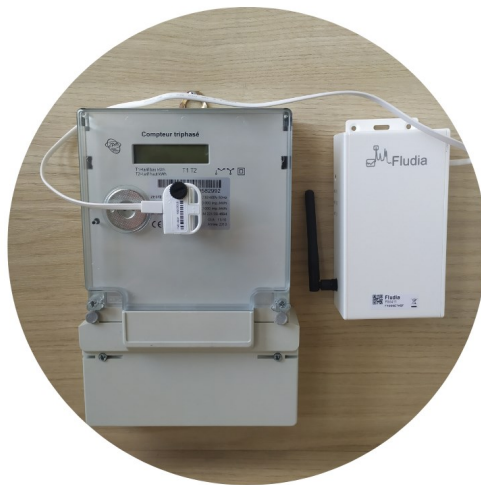


BelSenso FM411

2G IoT datalogger



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2G IoT datalogger



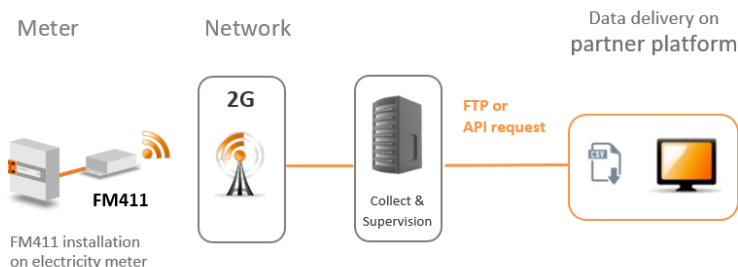
FM411 is a plug&play IoT datalogger for electricity consumption measurement. It has been specifically designed for logging and monitoring load curve data in small and medium buildings. It is a plug & play solution thanks to its non-intrusive optical reading technology. The high resolution load curve (1mn) is very useful to understand energy consumption in detail (detection of main loads, standby levels, peak values, inactivity periods...).

Benefits

- ⇒ **Universal:** compliant with all electricity meters (electronic and electromechanical)
- ⇒ **Plug & Play:** self installation in less than 5 minutes, SIM card included collect & supervision platform included, API included
- ⇒ **Self-powered:** to 6 years with the provided battery (can also be used with an AC-DC adapt)
- ⇒ **Cost effective:** ROI < 1 year
- ⇒ **Data Analytics:** Possible thanks to the 1 minute load



Operational



Implementations

- ⇒ **Cities (public buildings, sport equipments, public lighting):** load curve analysis
- ⇒ **Banks, retail stores, supermarkets:** supervision of consumption
- ⇒ **Solar production:** Detecting faults in installed systems
- ⇒ **Office building:** Tariff and cost optimization



General and technical features

	BelSenso FM411m	BelSenso FM411e
Input	Compliant with all types of electricity meters	
	Optical reading of electromechanical meters (Detection of disk rotations) Maximum speed 5 rev/sec (disk)	Optical reading of electronical meters (Detection of LED flashes) Maximum speed 10 flashes/sec (LED)
Output	2G connectivity - 1nce SIM card included (10 years data)	
Operational	Fixing with adhesive pads (3M) Commissioning with push button and LEDs (red and green) Battery voltage indicator T°: -15°C to +45°C	
Data	Load curve measurement: 1mn Data file delivery through API (or manual download in csv format) 1 month data storage in the product memory	
Power supply	Internal battery 3,6V - Lithium size D battery included (easily repleacable) – up to six years battery	
Size & Weight	Optical reader: 46 x 29 x 17mm / 18g - Radio box: 172 x 80 x 48 mm / 311 gr	

FM411

Designed
and made
in France



References

FM411e	2G IoT datalogger for electronic meters
FM411m	2G IoT datalogger for electromechanical meters

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