



OrionM2M

LoRaWAN module for gas meter

ORIONMETER ORN-GME

FEATURES:

-  LoRaWAN v1.0.3 Class A
-  Magnetic field detection
-  Ultra-low power consumption
-  Hall sensor detection
-  Rapid installation and deployment
-  High reliability and stability
-  Non-volatile memory stores data
-  Wide range of electrical parameters monitoring
-  EasyTool technology allows configure the device remotely
-  With BatteryCare® technology life time period is up to 10 years



APPLICATIONS:

Utility – remote monitoring of resources | Smart building and Industrial Control | Other wireless sensing applications

General

Enclosure material	PC
Mounting	To the gas meter front panel
Consumption detection	Magnetic
Microcontroller	Ultra-low-power MCU STM32L0
Operating temperature, °C	-20 ... +60
Battery type	Li-SOCl ₂
Battery voltage, V	3,6
Battery capacity, mAh	3650
Battery life, year	up to 10
IP rating	IP65
Dimensions, mm	58 x 127 x 28
Weight, g	≤200
Warranty operating period, months	36

Radio

Support Protocol	LoRaWAN v1.0.3
Device class	A
Bands	EU863-870 IN865-867 RU864-870 KZ865-868 US902-928 AU915-928 AS923 KR920-923
Activation in LoRaWAN	OTAA
LoRa Power Output	up to 14 dBm (25 mW)
Receiver sensitivity, dBm	up to -137
Signal lead	Internal antenna
Data transfer rate, kbps	0.3 ... 40
ADR support	Yes
Communication range, km	up to 15

Gas meter supported

Manufacturer	Models
Elster	· BK-G 1.6 · BK-G 2.5 · BK-G 4 · BK-G 6

Order Info

SKU	Description
ORN-GME-[CA]/F	LoRaWAN module for gas meter; battery 3,6V; 3650 mAh; IP65 C: Type · LW: LoRaWAN A: antenna · 868: internal 868 · 915: internal 915 F: the default frequency plan · EU: EU863-870 · IN: IN865-867 · RU: RU864-870 · KZ: KZ865-868 · US: US902-928 · AU: AU915-928 · AS: AS923 · KR: KR920-923