



**VMG-AM 250/425**  
Fits American AL175/AC250 & AL425



**VMG-IT-METRIS**  
Fits Itron Metris Slant Face



**VMG-SE-275/425**  
Fits Rockwell/Sensus 275 & 425

Vision's LoRa gas meter modules are currently made to fit American AC 250 and AL 425, Rockwell/ Sensus 275 & 425, and Itron Metris Slant Face meters. Modules to fit other gas meters will be developed throughout 2020. The module is self contained and designed to fit just like original equipment with the index's transferring from the meter to the module.

Programming of the module is accomplished through the Sentry 950L handheld. You can program the index reading into the module. All other programming is accomplished at the factory

The LoRa radio is a Class B transceiver with capabilities of transmitting from 100 mw to 1 watt (21 to 30 db). Typical transmission range is up to 20 miles when transmitting at 1 watt.

The module can be programmed to transmit hourly load profile data along with the actual meter reading every 4 or 6 hours. To achieve 20 years battery life, 6 hour intervals are recommended.

The LoRa packet can be read by any system that will accept its DevEui (mac address) and App key. This means that other software providers using LoRa can easily read our Gas Modules. A DevEui and App key is provided with every module shipped or in quantity a data file will be provided.

## **BATTERY LIFE**

20 years if the module transmits every 6 hours and sends 1 hour interval data for the past 6 hours along with a meter reading.

15 years if the module transmits every 4 hours and sends 1 hour interval data for the past 4 hours along with a meter reading.

The VMG uses a D cell lithium battery delivering 19 ampere hours and is rated for a 20 year life. The battery and electronics are encapsulated in a non hardening gel so no stress is placed on the battery or PCB's components.

There is a voltage circuit on the PCB that detects when the battery voltage dips below a defined threshold. When that happens a low battery alarm will be triggered.