

COMET - Optical Sensing AMM Commercial and Industrial Module



Turn your mechanical meters into smart devices in seconds



- • The most cost-effective route to building an AMM infrastructure
- • Eliminates the headache of stranded assets by maintaining currently installed meters
- • No meter modification is needed - non-invasive retrofit solution
- • The only product on the market that makes most existing mechanical meter types AMM-compatible
- • Simply snap on the Comet module and within seconds your mechanical meter becomes a smart meter
- • Compatible with a wide range of existing communication devices and systems
- • Comet modules are ready-to-run : Easy to use installation tool on a PC or PDA adapts the modules to a variety of meters, no time-consuming on-site programming needed, no wiring required
- • Certified ATEX Zone 0

Fast, secure and reliable mounting

Once the COMET module is installed onto the meter it will automatically read the consumption, store the readings at defined intervals if necessary, and transmit them via a wireless or wireline system to the utility mainframe.



Optical reader technology

The COMET module is based on highly integrated OCR RETINA technology which combines the image capture and advanced processing in the sensor chip making it highly reliable and robust while dramatically reducing power consumption and overall product cost.

AMM deployment is possible without replacing or modifying current, proven mechanical meters. Xemtec's unique retrofit solution chain starts by saving utilities precious time and money from the very beginning.

COMET modules are compatible with many types of gas, electricity and water meters and offer a variety of communication interfaces (e.g. low-power RF, GSM / GPRS, M-BUS ...) thus upgrading mechanical meters into smart communicating devices. This has been made possible through Xemtec's innovative OCR RETINA technology, the only solution on the market to achieve this breakthrough.



Benefits summary

It is now possible to dramatically reduce the cost of deploying AMM commercial and industrial communication networks. COMET meter readers can be used with almost any communication technology.

- Uniquely, this product makes almost any mechanical meter AMM compatible
- A simple retrofit installation of a COMET unit and a mechanical meter becomes a smart meter
- COMET modules are ready-to-run
No wiring is required and no time-consuming on-site programming is needed
- Auto-correction capability - the actual index value is read, not the accumulated increments as with pulse-operated readers.
- A large variety of communication standards - both wireline and wireless - are supported (e.g. low-power RF, GSM / GPRS, M-BUS ...)
- Minimal running and maintenance cost due to the RETINA system's high reliability and low power consumption
- COMET modules sealing lock mechanism prevents tampering
- Automatically establishes communication with XEMGATE gateways / concentrators
- User friendly installation software limits on-site programming.
- Multiple usage is possible. The Comet module can be removed quickly and transferred to other meters

Available COMET module types

COMET XRS - 60
Module with low-power RF, pulse output, and serial interface

COMET XRM - 60*
Module with wired and wireless M-BUS interfaces

* Non Atex certified