



Building Intelligence with Submetering Solutions    

# Mechanical Metering Solutions for Commercial, Residential & Institutional Properties



Since 1994, QMC has been deploying submetering systems metering for tenant billing and energy management across Canada. We work with developers, property managers, contractors and engineers to deploy custom solutions. This includes:

- Electricity, water, thermal and gas metering; single meters or complete systems
- Commercial, residential and institutional applications
- Tenant submetering or energy management metering
- LEED Measurement and Verification systems
- Measurement Canada testing and verification procedures
- Integration of existing meter systems
- Energy management software and tenant bill preparation
- A range of communications options

Please call us for assistance in your mechanical submetering project. We bring in the best meters and solutions from around the world, including:

## UNICocoder MP Water Meter

- For residential multi-tenant applications
- Manufactured by GWF (Swiss made)
- Meets and exceeds European Measurement Instrument Devices (MID) MI-001 for consumption flow meter type approval; accuracy standard EN 14154 and ISO 4064 and OIML R49
- Uses patented GWF Light Encoder technology to provide absolute register read
- Cold (30°C), Warm (90°C), Hot (120°C) models
- Models available with M-Bus or pulse output communications
- NSF-61 Certified



## UltraMaxxV Thermal Meter

- Heating and cooling application
- Communicates and is powered by M-Bus network
- Not reliant on battery power, eliminating service requirements
- Meets and exceeds European Measurement Instrument Devices (MID) MI-004 for consumption thermal meter type approval; EN 1434 Ultrasonic measurement = no moving parts
- Consists of integrated flow meter with thermal calculator and two temperature sensors
- Compact: ideal for new construction and retrofit applications



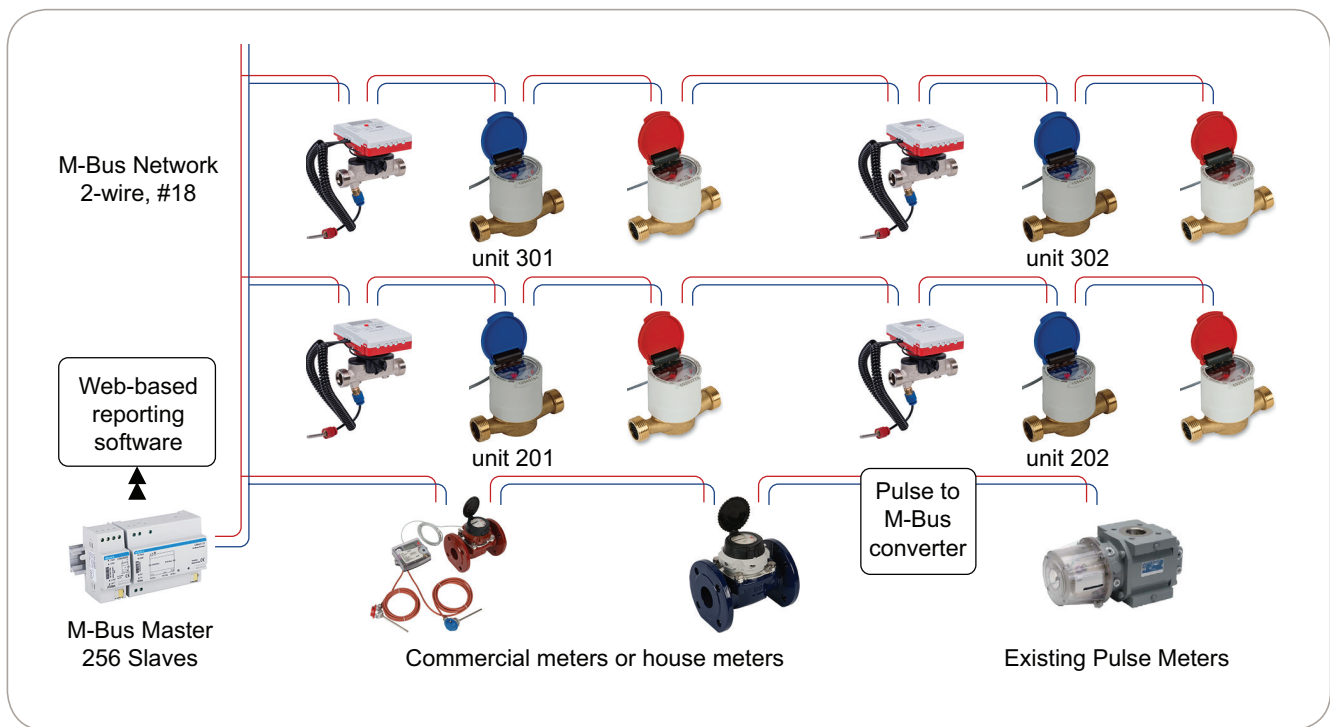
**QMC supplies water, gas and thermal meters of all sizes, including insertion meters. Larger meters can utilize M-Bus, pulse output, Modbus, or BACnet communications.**

# WHY MBUS

QMC utilizes M-Bus (Meter Bus) Communications when deploying a complete mechanical metering system. It is extremely cost effective, easy to install and maintain and provides absolute meter read data.

## Benefits

- Transfer of energy or consumption data using the meters' register reads. There cannot be a discrepancy between the meter register read and the automated read
- All meters are daisy-chained together, dramatically reducing wiring and labour costs
- Meters are powered over the M-Bus network, thereby eliminating installation costs for powering meters and eliminating service requirements
- One centralized master; up to 256 slave devices
- Simple, polarity independent two-wire network minimizes installation errors
- Flexible network architecture; see below
- Expand system to include existing meters with pulse outputs, using M-Bus adapters
- Non-proprietary protocol; used by 50 countries across the globe



Contact QMC for a Free Consultation, System Design and Budget for your Tenant Metering, LEED Metering or Key Load Metering Project



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