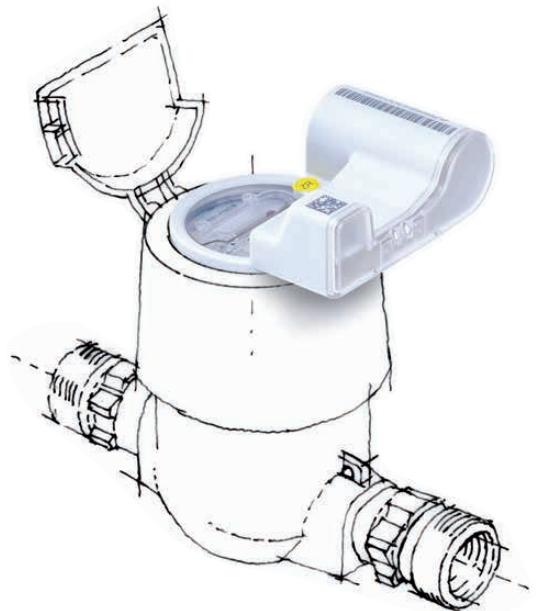




EDC communication module

*Water meter clip-on module
for secure remote reading
for integration of water meters in
Smart Metering AMR/AMI Systems*



ZENNER
All that counts.



EDC communication module

AMR/AMI communication module

for water meters



Typical applications:

- Wireless remote readout of water meters
with walk-by or drive-by system
- Remote reading of the meters via M-Bus Systems
- Remote reading via GSM module
- Accurate metering of fluids in the industrial and
commercial segment
- Information of the flow volume and consumption
by the means of transducer



The **Electronic Data Capture** (EDC) module for non reactive, electronic pulse detection of all the ZENNER water meters whose registers are equipped with modulator disc enables a secure remote reading and the integration of water meters in Smart-Metering measurement systems.

The EDC module was developed for:

- Single-jet dry dial meters ETKD/ETWD
- Multi-jet dry dial meters MTKD/MTWD
- Positive displacement meters RTKD-S
- Bulk meters WPD / WSD



The EDC module is available in four different versions



1. wireless M-Bus radio module according to OMS-Standard (868 MHz), EN 13757-4
2. wired M-Bus-module, EN 13757-3
3. Pulse module with forward and reverse detection
4. combined M-Bus and pulse module

The water meter can be equipped with the required EDC module during manufacturing or afterwards, receiving a retrofit module.

○ Performance Characteristics:

- Battery powered with a lifetime up to 15 years
- Tampering detection
- Protection class IP68
- Retrofittable without destroying seals
- Detection of water flow direction
- Secure data collection without the use of reed switches
- Optical interface for configuration purposes
- Suitable for ZENNER single-jet, multi-jet, piston type and Woltman water meters with modulator disc



The EDC module provides all the important functions for smart metering

Smart Metering Functions:

- Self-monitoring
- Tampering detection
- Dismounting of module and meter detection
- Reverse water flow detection
- Leakage detection
- Meter Stop detection
- Meter oversized detection
- Meter undersized respectively pipe burst detection



Configuration:

The configuration of the EDC module in case of retrofitting for example is made via the optical interface by using the ZENNER MinoConnect with ZENNER IrCombiHead and the configuration software GMM.

Alternative software solutions on request.



Remote readout with the EDC modul

