

evoDrive™



Mobile systems are still the lowest cost-to-read form of AMR, but only evoDrive mobile AMR allows the utility to migrate to a fully functional, fixed network AMI system with any changeout.

The traditional view of AMR in the water metering industry has finally evolved to a truly intelligent technology that drives a comprehensive water utility solution. Automated meter reading systems (AMR) in the water market have delivered on the promise of reduced overall meter reading costs and reduced estimated bills, resulting in increased and accelerated cash flows for the water utility. Additionally, the evolution system offers utilities the flexibility of choice - of implementing a mobile system first, and then migrating to a fixed network, without a system changeout, further securing the utilities investment towards the future.

Features and benefits

- Low infrastructure and network maintenance costs
- Reduced infrastructure hardware
- Low installation costs
- Easy retrofits
- Easy system scalability
- Endpoint can be field programmed to fixed network mode without meter change out
- Flexible hardware options for utility customers

Software features

- OS: Win XP Pro on a rugged laptop - Vista Support in future release
- Supports GPS via Bluetooth receiver with acquisition and storage during route reading
- Route files can be transferred via any portable media storage device
- Mapping capabilities via Pepperwhite Maps
- Supports manual and touch probing via VersaProbe
- Collector out of route reads for entry into route manager
- Datalogging acquisition via 2 way
- Obtain status of all flags during each read (leak, cable cut, low battery)



Performance

Operating frequency Transmitter: 952 or 956 MHz
Receiver: 902-928 MHz ISM Band

Functional

Power supply 12 V DC (via adapter or hard wire)
FCC compliance FCC part 15 and part 101 compliant
Antenna Seperate transmit and recieve antennas
Hardware Optional fully rugged or semi-rugged laptop options
Mounting • Laptop compatible with most commercially available in-vehicle mounts
• Mobile transceiver mounting behind passenger seat (recommended)

Environmental

Operating temperature -4°F to 140°F (-20°C to 60°C)
Storage temperature -40°F to 160°F (-40°C to 70°C)
Humidity limits 5 to 95% relative humidity
IP rating IP 65 rated enclosure - no ingress of dust and protection against jets of water

Physical

Mobile transceiver dimensions 15" x 18" x 4"
Weight Approximately 40 lbs



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