

AquaCell AMX™ 1001A LTE-M Water AMI

Next Generation AMI. AquaCell delivers best-in-class performance with:

- Twice the data reporting frequency
- Twice the meter read frequency
- Twice the on-board data storage
- Twice the battery capacity
- More than twice the provisioning speed
- Superior ruggedness

Plus seamless integration into the time tested, market leading analytics and customer engagement portal.

PRODUCT

Using existing cell infrastructure, the AquaCell endpoint allows immediate installation, inexpensive, secure and reliable near real-time usage data.

The robust, industry leading AquaHawk portal and MMS (MDM), provides utility control and insight into managing all aspects of operation including: Workorder, Online payment, Invoice and payment system, Non-Revenue Water, Mapping, Customer notifications, CMS, Water source and Purity metrics.

DEPLOYMENT

Workflow: The endpoint is easily activated by installation staff and immediately confirms meter and cell connectivity without requiring any special tools, devices, or water flow. Total time from removing the endpoint from its box to completion of installation is typically less than 1 minute.



Additional readings can be triggered at any time by the installation staff to verify meter installation direction.

Installation Metrics: Upon installation, the endpoint provides immediate metrics for integration into workflow management tools. This includes: staff ID, meter number, endpoint number, cell signal strength, time of installation, and location information.

FEATURES

- Two-way communication
- Capable of remote code update and configuration
- Programmable data read interval: 5-60 minutes
- Programmable transmission frequency: 15 minutes to 24 hours
- Data storage: 127 reads; optional upgrade to up to 8K reads (84 days of 15 minute data)
- Air-tight composite enclosure supports indoor, outdoor, and pit installations.
- No FCC license required.



www.aquacell.us

AC_DS_1001A_Rev_A

DATA SHEET

Making meter data work for you - anywhere... anytime

AquaCell AMX™ 1001A LTE-M Water AMI

COMPATIBILITY

Compatible with Kamstrup, Diehl, Sensus and other 3 wire current encoded output smart meters. Available in blunt cut, pig tail, NICOR TYPE III and NICOR TYPE IV connectors.



Mobile Views using AquaHawk

SPECIFICATIONS

- Dimensions: 2" x 3.8" x 5.5"
- Network: LTE-M Cellular Network
- Temperature Range:
- Storage: -40 to 70 C
- Operation: -20 to 70 C
- Humidity: 0-100% condensing
- Batteries: 2 D cell Lithium thionylchloride
- FCC – Part 15, 22,24, 27 compliant
- Security: Exceeds military grade encryption
- Shipping: Unit is shipped in non-transmit state.
- Integrates AquaHawk customer portal, MDM, analytics, NRW, GroupMessaging, Workorder system
- Immediate Meter Read Onsite
- Leak Detection
- Fixed Net Reading
- Cut Wire Indication
- Reversed Meter Detection
- No Use Detection
- Encoder Error Detection
- Low Battery Detection
- Remote Programming
- Remote Clock Sync
- Dry Detection
- Firmware upgrades



Console view using AquaHawk

Wiring Map – 3 Wire Encoded Cable

AquaCell	Diehl, Sensus, Kamstrup	Itron	Neptune
Black	Black	White	Red
Green	Green	Red	Black
Red	Red	Black	Green



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