



Master Meter’s AccuLinx brings you the latest in absolute positional encoding technology with flexible configurations designed to fit virtually any water meter application — and any AMR read system.

**Technical Specifications:**

**AWWA Encoder Module** - Proprietary module design features innovative inductive sensing to electronically determine the position of the 8 odometer wheels even in operating environments exposed to piping vibrations, stray magnetic fields, and high ambient light. Each wheel contains a small copper target embedded in the molding and is mounted in close proximity to a circular printed circuit board (PCB) containing a pattern of coils. The PCB electronics determine the position of wheels by sensing the copper targets and measuring the coupling between sets of coils. The AccuLinx encoder is contact-free and operates with virtually no friction for long-life with minimal power requirement.

**Features & Benefits:**

- 8-Wheel Resolution for Precise Data Profiling
- New Exclusive Contactless SensingEncoder Technology
- Connectivity to most any 3rd Party AMR System using Sensus™ Protocol
- Direct Connect, Battery-Free 3-Wire Configuration Available
- Requires low Driving Torque and Low Power

**Available Configurations:**

- 3-Wire Indoor Direct Connect (Utilizing UI-1203 Protocol) using terminal screws.
- 3-Wire Potted Pit Set (Utilizing UI-1203 Protocol) using an epoxy encased pre-connected wire with either 3 bare wires, a Nicor Compatible Connector, an Itron (ILC) Compatible Connector, or a magnetic induction coil.

**Integrates With:**

- 3rd Party Drive-by AMR Solutions
- 3rd party Fixed Network AMI Solutions
- 3G Mobile™ Drive-by AMR
- FixedLinx™ Meter Data Management Solution – Utilizes the 3G technology backbone with simultaneous Mobile AMR and Fixed Network AMI

### Register Sealing:

- **Pit Set** - Permanently sealed with impact resistant tempered glass and corrosion resistant stainless steel enclosure. A molded, elastomeric rubber gasket provides the register seal to prevent dirt or moisture intrusion. Register assembly is conducted in a vacuum to eliminate the inclusion of moisture during manufacture.
- **Indoor Set** - Incorporates a clear, UV resistant polycarbonate lens, slightly convex for maximum strength and impact protection. The register cup is built to protect internal components with a strong polycarbonate ABS alloy. An O-ring gasket seals the lens to the register cup, preventing environmental intrusion. The register assembly is securely held together by a tamper-proof,

mechanical locking ring. The 3-Wire configuration includes a tamper-proof, polycarbonate cover to protect the terminal covers molded into the lens, while still allowing for direct wired terminal connection.

- **Register Unit** - Registration is available in either gallons, cubic feet or cubic meters.
- **Test Circle /Leak Indicator** - Clearly visible red sweep hand rotates one increment for every revolution of the far right odometer wheel. Test circle face indicates 50 gradations and 10 numeral marks.
- **Magnetic Drive** - A reliable, direct magnetic drive provides linkage between the measuring element and register so that no gearing is exposed to water.

### Universal Connectivity with Sensus Protocol:



AccuLinX with Direct Connection for Indoor/Basement Applications



AccuLinX with Potted Pigtail Connection for Pit Applications