

WAVELET DISTRICT METERED AREA (DMA) KIT

SUMMARY

One of the major contributors to non-revenue water (NRW) is leaked water supply. High levels of NRW affect both the financial viability of water utilities and the quality of the water itself. Metering water at the distribution network level is essential to estimating levels of NRW. Additionally, knowing the contribution of leakage to water loss provides the information necessary to decide upon the best course of action to reduce it.

The Wavelet District Metered Area Kit's low-cost portable ultrasonic flow sensor clamps onto pipes supplying water to a discrete geographic area, providing continuous flow data. Comparing the inflow volume of water supplied to a DMA with the metered water usage inside it provides real-time leakage data. With Ayyeka's Wavelet DMA Kit, data gleaned from a discrete geographic area can be taken as a representation of what steps need to be taken to reduce water loss across the entire system.

FEATURES

- ▶ Real-Time Water Volume Data
- ▶ Continuous Flow Monitoring
- ▶ Portable Clamp-On Ultrasonic Flow Sensor

APPLICATIONS

- ▶ Identify Water Leakage
- ▶ Report NRW Accurately
- ▶ Simplify Flow Measurement
- ▶ Inform Water Management Strategy

SENSOR SPECIFICATIONS

Operating Range	Bidirectional; 0.03 m/s – 6 m/s (0.1 ft/s – 20 ft/s)
Installation	Installs on pipes 5 cm – 30 cm (2 in. – 12 in.) nominal diameter
Performance	±1.0% to 2.0% accuracy Zero pressure drop 0.5% repeatability
Environmental	Ambient and flow temperatures -20°C to 65°C (-4°F to 150°F) IP 65 splash proof Weather resistant Corrosion resistant
Materials	Body: Anodized aluminum channel, acetal end housings and feet Mounting Straps: EPDM



Model No. WA1111-SE00051

**Wavelet District Metered Area (DMA)
Kit includes:**

- Wavelet Device & Activator
- 4G (LTE), 3G, 2G, Global SIM Card
- Internal Lithium Battery
- Installation Hardware
- External Power Connector
- **SE00051** Semi-Permanent Ultrasonic Flow Meter, Clamp-on with Gel and Mounting Straps, 4.5 m (15-ft) Cable