

ARB® UTILITY MANAGEMENT SYSTEMS™



## R450™ DATA COLLECTOR



R450 Data Collector

Neptune's R450™ System is an advanced, highly robust, two-way fixed network meter reading solution that delivers comprehensive usage information through a secure, long-range wireless network. The R450 System provides the timely, high-resolution meter reading that enables water utilities to eliminate on-site visits and estimated reads, reduce theft and loss, implement time-of-use billing, and profit from all of the financial and operational benefits of fixed network automated reading and billing.

An integral part of the R450 System is the R450™ Data Collector (R450 DC). This collector features two-way communications which allows for over-the-air programming, twenty-four hour usage/consumption profiling, and priority alarms for leak detection, reverse flow, and other value-added features.

As a tower-based system, the cell size is optimized, which allows for a small number of collectors to adequately cover your system. In addition, your investment is protected with a NEMA 4X weatherproof enclosure and back-up of your valuable data.

With backhaul options such as CDMA, GPRS, and Ethernet, the R450 DC provides you with flexible and reliable choices on how you want your data delivered.

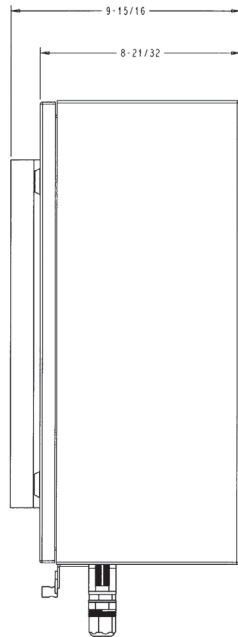
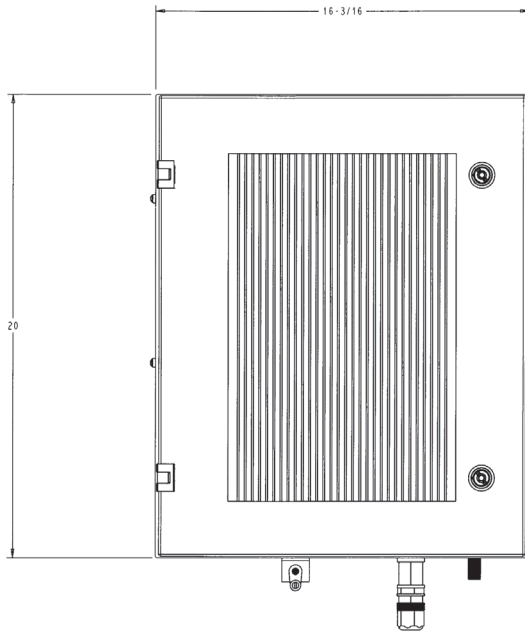
The advanced features of the R450 DC ensure that the R450 System is one of the most technologically advanced in the industry.

## KEY FEATURES

- Two-way communications
- Multiple backhaul options
- Supports priority alarms
- Over-the-air programming
- NEMA 4X enclosure
- Back-up of data
- Optimized cell size

## KEY BENEFITS

- Remote system monitoring
- Improved customer service
  - Priority alarms
  - Hourly usage/consumption data
- Reduced number of collectors without sacrificing coverage area
- Best life cycle value



**GENERAL SPECIFICATIONS**

- Environmental
  - Operating Temperature: -22° F to +140° F (-30° C to +60° C)
  - NEMA 4X enclosure
  - Operating Humidity: 0 to 95% non-condensing
- Frequency
  - Licensed 450 to 470 MHz
- Power
  - 110-220V AC
- Backhaul Options
  - CDMA
  - GPRS
  - Ethernet
- Tower-based installation
- Weight: 72 lbs

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