



# R450 DATA COLLECTOR



**R450 Data Collector**

Neptune's ARB® FixedBase System is an advanced, highly robust, two-way fixed base meter reading solution that delivers comprehensive usage information through a secure, long-range wireless network. ARB FixedBase 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 base automated reading and billing.

An integral part of the ARB FixedBase System is the R450 Data Collector (R450 DC). This collector features two-way communication which allows for over-the-air programming, 24-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 GPRS, Ethernet, and WiFi modem, 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 ARB FixedBase System is one of the most technologically advanced in the industry.

**KEY FEATURES**

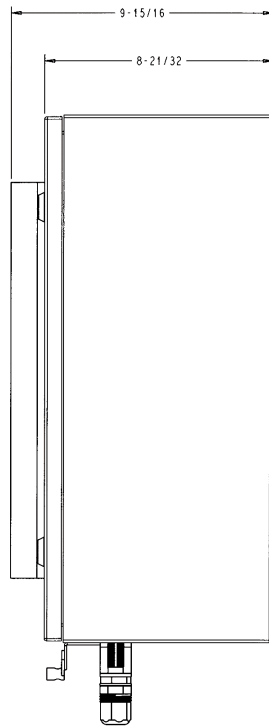
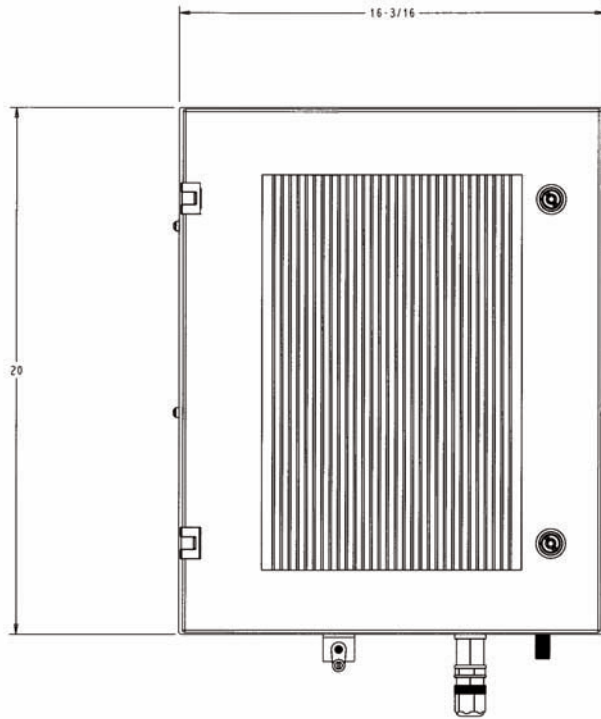
- Two-way communication
- Multiple backhaul options
- Support priority alarms
- Over-the-air programming
- NEMA 4X enclosure
- Back-up of data
- Optimized cell size

**KEY BENEFITS**

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

**Ti-SALES** INC

**WATER and WASTEWATER SUPPLIES**  
 Route 27 Sudbury, MA [www.tisales.com](http://www.tisales.com)  
 Tel: 800-225-4616 Fax: 978-443-7600



**GENERAL SPECIFICATIONS**

- Environmental
  - -22°F to +140°F (-30°C to +60°C) operating temperature
  - NEMA 4X enclosure
  - Operating humidity of 0 to 95% non-condensing
- Frequency
  - Licensed 450 to 470 MHz
- Power
  - 110-220V AC
- Backhaul Options
  - GPRS (standard)
  - Ethernet
  - WiFi
- Tower-based installation (can also be mounted on rooftops, buildings, and telephone poles)
- Weight
  - 72 lbs

Neptune engages in ongoing research and development to improve and enhance its products. Therefore, Neptune reserves the right to change product or system specifications without notice.

**Neptune Technology Group Inc.**  
 1600 Alabama Highway 229  
 Tallassee, AL 36078  
 USA  
 Tel: (800) 645-1892  
 Fax: (334) 283-7299

**Neptune Technology Group (Canada) Ltd.**  
 7275 West Credit Avenue  
 Mississauga, Ontario  
 L5N 5M9  
 Canada  
 Tel: (905) 858-4211  
 Fax: (905) 858-0428

**Neptune Technology Group Inc.**  
 Ejército Nacional No. 418  
 Piso 12, Desp. 1201-1202  
 Col. Chapultepec Morales  
 Delegación Miguel Hidalgo  
 11570 México, Distrito Federal  
 Tel: (525) 55203 5294 / (525) 55203 5708  
 Fax: (525) 55203 6503

