Streamline Operational Efficiencies

Neptune R900® System: Mobile Data Collector and Software

The mobile data collector provides fast, accurate automatic water meter reading to preserve resources and streamline operational efficiencies. Critical data is transformed into actionable information to help identify hidden causes of loss and optimize operational efficiency. Access to consumption data and alerts of leaks and backflow conditions aid in proactively addressing high bill complaints, reducing delinquent payments, and eliminating write-offs.

The R900® System is designed to easily accommodate and support past generations of meters, encoder registers, and data collectors – preserving your asset investments and offering the flexibility to incorporate future innovations as needed.

- Reliable, accurate, and field-proven

- Seamless compatibility with all generations of R900® endpoints

- Automatic, rugged, portable, easy-to-use

- Improves accuracy, increases reader safety, and reduces reading time

- Common core code base for faster availability of new features and functionalities

- Save money with flexible hardware connection options via Bluetooth or USB

- Makes Automatic Meter Reading (AMR) safer and simpler

- Small enough to fit in any vehicle

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1-800-921-2228
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Specifications

Physical Specifications

- Dimensions:
  8" (width) x 3.15" (height) x 11" (length excluding connections and handle)

- Weight: ~5 lbs

Electrical Specifications

- Power consumption: < 1A

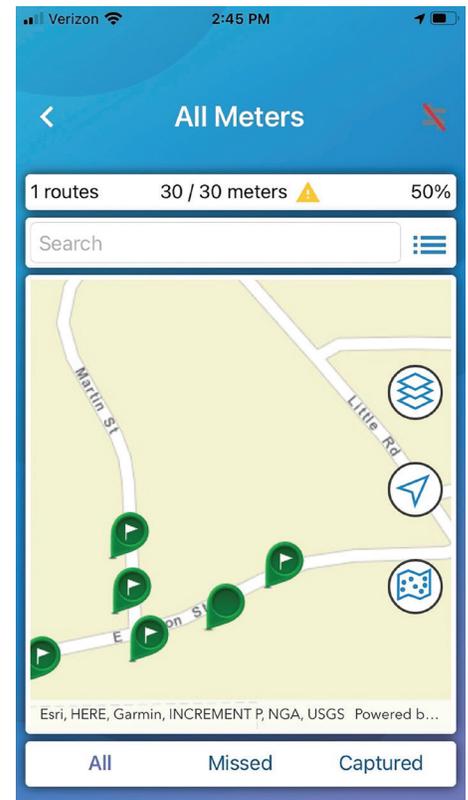- Power supply: 12V DC via vehicle power source adapter

Neptune recommends the following mobile computing hardware specifications for optimal performance:

- 12.1" XGA (800 x 600) minimum

- 89-key keyboard

- Operating System:
  - Windows® 7 Professional 32 & 64
  - Windows® 8 Professional 32 & 64
  - Windows® 8.1 Professional 64
  - Windows® 10 Professional 64

- .Net Framework 4.5 or higher

- Processor: Intel Pentium 1.7 Ghz or faster processor

- Memory: 1 GB minimum

- Communication
  - Internal 802.11 b/g wireless LAN
  - Windows Wireless Connection Manager (if Bluetooth connection to the receiver is desired, Bluetooth v2.1 + EDR required)

- USB 2.0

- GPS receiver (required for the mapping and mobility module)

- Minimum of 2 GB of available hard drive space

Environmental Conditions

- Operating temperature:
  -4°F to +122°F (-20°C to +50°C)

- Storage temperature:
  -40°F to +185°F (-40°C to +85°C)

- Operating humidity: 5 to 95% non-condensing relative humidity

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neptunetg.com

Neptune Technology Group
1600 Alabama Highway 229
Tallassee, AL 36078
800-633-8754 f 334-283-7293