

net**Radio**™ by Metre Pro Technologies, Inc.

The *most powerful* **AMR** solution

net**Radio**™ enhanced data capability

The net**Radio**™ AMR device collects data by wire attachment to pulse output or encoded register meters. Using Metre Pro Technologies' patented emulation process, the net**Radio**™ stores accurate meter reading data. The data stored in the net**Radio**™ is accessed by mobile (drive-by) or fixed (cluster) systems. The frequency of storing reads in the net**Radio**™ is easily programmed, using radio communications. Readings can be stored monthly or as often as once a minute, allowing storage and radio transmission of a single reading or an extensive array of logged data.

net**Radio**™ unique battery conservation

The net**Radio**™ is a transceiver, with full two-way communication protocols, resulting in an important operational improvement over other radio AMR systems. The device stays in a totally quiescent mode, conserving battery power until its scheduled operation window occurs. Data is then transmitted only when a unique interrogation code is received. The net**Radio**™ operation schedule can be updated every time it is accessed. This scheduled operation feature enables the net**Radio**™ to conserve power and yet offer features exceeding other radio AMR systems. Battery status is reported each time the device is read.

net**Radio**™ powerful broadcast characteristics

The net**Radio**™ operates in the unlicensed ISM band under FCC part 15.247 and 15.249, broadcasting up to a full one watt of power. The receiver antenna is precisely tuned and noise filtered to enhance performance in difficult urban environments. Although local conditions can have an effect on RF operations, the net**Radio**™ has the power and sensitivity to provide an excellent range in all environments, including pit-sets.

net**Radio**™ application flexibility

The flexibility you need is built-in to the net**Radio**™. You can mix and match meters that best fit your requirements. You can upgrade "in the ground" pulse and encoder type registers. You can read by drive-by using a laptop computer. A unique cluster reading system may be implemented using the net**Collector**™, soon to be released by Metre Pro Technologies,. The net**Collector**™ has a built in transceiver and internet interface.

Contact us to discuss your specific applications.

Metre Pro Technologies, Inc.
101 Park Central
Mineola, TX 75773
903.569.9700
888.metpro (888.638.7776)



net**Radio**™ by Metre Pro Technologies, Inc.

The **most powerful AMR** solution

net**Radio**™ Hardware

- size ... 1¾"x4"x6"
- construction ... impact resistant, environmentally potted and sealed plastic
- antenna ... internal ... omni-directional
- meter pit installation ... integrated placement stake

net**Radio**™ Electronics

- up to one watt broadcast power (extended range in typical environment)
- spread spectrum frequency hopping (dss)
- full two-way communications
- serial or bus connection to laptop computer

net**Radio**™ Field Programmability

- via RF using laptop computer, transceiver
- define meter operation
- schedule data logging

net**Radio**™ Data Logging

- 2,000 data points, time and date stamped (user defined periods)
- option to archive previous 11 months usage
- logged data is captured via RF
- reports:
 - time-of-use
 - peak usage
 - leak detection
 - battery status
 - tamper flag

net**Radio**™ Data Collection Options

- drive-by ... lap top computer with attached transceiver and external antenna
- the net**Collector**™ ... a fixed device for reading clusters of meters, has an integrated transceiver and internet interface ... a powerful solution for sub-metering as well as large urban areas ... includes ports for electric and gas meters

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