

SpeedRead Concentrator

Specification Sheet

State-of-the Art Wireless Technology

The SpeedRead Concentrator provides a robust solution for fixed network meter reading information, collection and storage. The regional concentrator unit receives and stores transmitted data from thousands of utility meters utilizing the SpeedRead technology, and conveys the information via a modem, to a central control system that utilizes the SpeedNet AMR software

Information Collection:

- Information is received via RF link from the SpeedRead Transmitters within a direct range up to 2000' from most meter pits and up to 1 miles above ground.¹
- The SpeedRead Concentrator software verifies the integrity of received information and identifies unreasonable or erroneous meter readings.
- Meter data is automatically updated on timed intervals or can be updated on customized consumption parameters.²
- Received transmitter meter data is analyzed to alert the user of reading events that include leak detection, disconnected transmitters and transmitter malfunctions



Data Storage:

- The concentrator builds a local database of current meter readings based on the last received transmitter signal.
- The concentrator creates detailed log files that contain concentrator system events that assist the user in troubleshooting.
- All received transmitter receptions are time and date stamped to verify that meter readings are up to date.

Information Transfer

- The concentrator transfers the data to the SpeedNet Consumption Management software
- System can be accessed any time day or night by inbound dialing to collect information.
- SpeedNet AMR software makes the data transfer to most management and billing software flexible and seamless.³

TECHNICAL SPECIFICATIONS:

Power Supply:	110 Volts, 50/60 Hz.
Power Consumption:	15 watts
Dimensions:	5 1/8" x 6 3/4" x 4 1/2" (H/W/D)
Communications:	Modem, Cellular, Serial RS 232
Capacity:	25,000 water, gas or electric meters per concentrator
Standards:	FCC Part 90 Certified (Receiver)

1. Actual distances may vary depending on installation location and topography.
2. Some system functions may not be available on all transmitters.
3. Not all management or billing software may allow import of reading data



TECHNOLOGIES

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