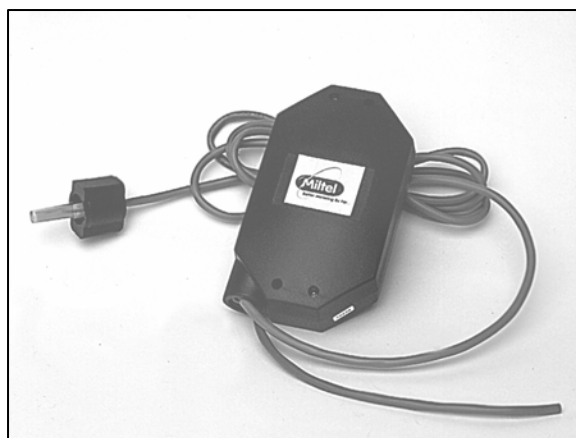# SpeedRead STx Transmitter

Specification Sheet

State-of-the-Art Fixed Network Wireless Technology

The SpeedRead STx Transmitters are the devices that interface with the utility (water, gas, or electric) sub meter and provide the basis for the collection of the meter reading data for the fixed network AMR system. Since 2000 SpeedRead Technologies has connected tens of thousands of water, gas and electric meters to the SpeedRead STx Transmitters in numerous apartment communities, high rise condominiums, manufactured home communities, privately owned and operated utilities and municipal water systems.

Component Description:

- Front end link of the SpeedRead total consumption management philosophy

- Independent miniature transmitter allows connections to several meter types

- Multiple transmitter models that collect and transmit meter reading information from up to 1, 4 or 10 most utility sub meters.(Including multi-utility collection)[1]

- Information is transmitted by RF transmission directly to the SpeedRead Concentrator or via a SpeedRead Repeater.

- Stand alone unit with an internal power source (10-year battery with a pro rated warranty)[2]

- IP-68 protection for outdoor environment (special order required)

Features:

Unit includes battery, interface, RF Module and memory

Cumulative information stored and transmitted

User defined transmission critera.[3]

Built in tamper detection [4]

FCC certified

TECHNICAL SPECIFICATIONS:

Power Output: 60 mW

Transmission Frequency: 450 - 470 MHz Licensed

Effective Range: Up to 2000' from most meter pits, 2 miles above ground

Power Supply: 3.6 V Lithium battery [2]

Standards: FCC Part 90 Certified

External Dimensions: 4.4" x 2.4" x 1.2" (H/W/D)

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1. *Maximum number and type of meters that can be connected may vary depending on meter type or style*
2. *Battery life may be effected by certain transmitter styles*
3. *Not all STx transmitters may have user defined transmission criteria*
4. *Not all STx transmitters have built in tamper detection*