Street Machine™

Mobile Data Collection Receiver

Mueller SYSTEMS

Features

APPLICATIONS: The Mueller Systems STREET MACHINE™ is a high performance, vehicle based AMR receiver. It is designed to collect water meter data via radio frequency while driving a meter route at posted speed limits. The complete STREET MACHINE™ System includes the radio receiver, data collection software, antenna and all cable connections. Implementation of a mobile meter reading solution like the STREET MACHINE insures significant performance improvements in meter reading efficiency, customer satisfaction and cash flow for utilities.

OPERATION: The STREET MACHINE can be temporarily or permanently mounted in any vehicle. Once initialized, it operates quietly in the background and transfers data to a computer of the utility's choice. The STREET MACHINE receives data on multiple discreet frequencies for secure and reliable data processing. During the reading process, the operator can view route progress screens including the number of meters remaining to be read, collected meter readings and meter status data. At the end of the day, the data is downloaded to the EZ Reader™ route management software and uploaded to the utility's existing billing system with a few clicks of a mouse. A standard series of reports are available for viewing performance of the system.

MAPPING: The Mapping Tab is not only the most popular but the most efficient and convenient way for meter readers to view their route data. Within the mapping tab, a physical representation of the geographical area being read and the meter locations are displayed. Each meter location is based on GPS Lat/Long coordinates and is displayed using the latest version of Microsoft MapPoint® software. Each meter location is visually depicted on the map using blue dots. As the operator selects *Start Reading,* these blue dots will begin to disappear as meter data is retrieved. If there is an Instant Data Logging alarm associated with a specific meter location (i.e. leak), the blue dot will turn to a red dot instead of disappearing prompting the meter reader to take action while in the field if so desired.

PERFORMANCE: The STREET MACHINE receives power through the vehicle utility power outlet. A magnetic antenna on the vehicle's roof provides the powerful interface for reception of all RF communication from Mueller Systems HOT ROD™ radio transmitters. Meter information is transmitted every 2 seconds to insure continuous high performance data capture on multiple receiver channels of the STREET MACHINE. The meter reader collects all RF data by simply driving past the meters (Please! posted speeds only though you'll feel you could go much faster).

CONFORMANCE TO STANDARDS: The system is FCC Certified for operation in the United States. It is fully compliant with FCC Part 15 and no FCC license is required for operation.
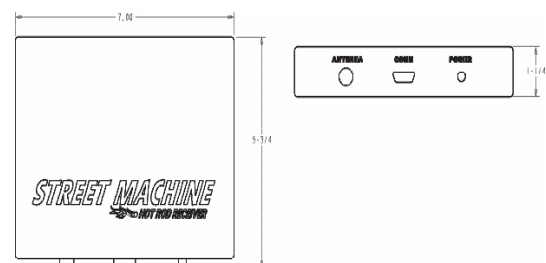
Materials and Specifications

RADIO FREQUENCY	Operates on 902 to 928MHz (No FCC license required)
PC OPERATING SYSTEM	Windows® XP or newer
OPERATING SOFTWARE	EZ Reader Route Management
RECEIVER POWER SUPPLY	Powered via vehicle power outlet; 12VDC
RECEIVER DIMENSIONS	L: 7" W: 5.75" H: 1.5"
RECEIVER WEIGHT	.6 lbs
ANTENNA HEIGHT	16" Magnetic Mount
ONE WAY COMMUNICATION; FCC LICENSE EXEMPT	
OPTIONS	Vehicle Mounting Bracket, RS-232/USB Adapter
OPERATING TEMPERATURE	-40°F to + 122°F (-40°C to + 50°C)
STORAGE TEMPERATURE	-40°F to + 176°F (-40°C TO + 80°C)

CONSTRUCTION: The STREET MACHINE™ receiver is small, lightweight and encased in rugged thermoplastic. All internal electronics are shielded against electro-magnetic interference. Connection to a laptop of the utility's choice is accomplished via the USB or RS-232, 9 pin connection located on the back of the unit. All connections are clearly marked for operational efficiency and ease of installation. LED lights confirm power and data reception status.

STREET MACHINE™ Dimensions

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