

Mi.Net Mobile Transceiver

Features

APPLICATIONS: The Mueller Systems **Mi.Net** Mobile Transceiver is a high performance, vehicle based AMR/AMI transceiver. It is designed to collect water meter data via radio frequency while driving a meter route at posted speed limits in AMR mode. When used in conjunction with the **Mi.Net** AMI system, the Mobile Transceiver can be used as a disaster recovery device to obtain meter data from stranded assets. The complete **Mi.Net** Mobile hardware package includes the radio transceiver, magnetic antenna, and all cable connections. Implementation of a mobile meter reading solution like **Mi.Net** Mobile ensures significant performance improvements in reading efficiency, data collection, customer satisfaction and cash flow for utilities.

OPERATION: The **Mi.Net** Mobile Transceiver 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 customer's choice. The **Mi.Net** Mobile Transceiver can also provide full two way communication to actuate remote disconnect meters (RDMs), initiate data logging, and meter right sizing. The **Mi.Net** Mobile Transceiver receives data on multiple discreet frequencies for secure and reliable data processing. During the reading process, the technician can view a number of route progress screens which include route mapping with representations of all meter locations, tabular screens depicting all meters, meters remaining to be read, collected meter readings and route performance overview. At the end of the collection period, the data is uploaded via the EZ Reader™ route management software into the utility's billing software with just a few clicks of a mouse. A standard series of reports are available for viewing performance of the system, the status of all event and duration codes, battery health, and past high leaks and backflow events.

PERFORMANCE: The **Mi.Net** Mobile Transceiver receives power via the vehicle auxiliary power outlet and a USB connection provides data interchange with the laptop. A sensitive magnetic antenna mounted on the vehicle's roof provides the basis for all radio frequency (RF) communication with Mueller Systems radios. Meter information is received and processed as it is transmitted to ensure continuous high performance data capture on multiple receiver channels of the **Mi.Net** Mobile Transceiver. The meter reader collects all RF data by simply driving past the meters equipped with Mueller Systems legacy Hot Rod transmitters or Mi.Node M units. The system also provides the option of a complete two way interface for transmission of commands to Mi.Node M radios.

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.

CONSTRUCTION: The **Mi.Net** Mobile Transceiver is small, lightweight and encased in a rugged metal enclosure for protection. All internal electronics are shielded against electro-magnetic interference. Connection to the laptop, antenna, and power are accomplished on the front of the unit. All connections are clearly marked for operational efficiency and ease of installation. LED lights on the front of the unit confirm power, RF reception, and temperature status.



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Materials and Specifications

RADIO FREQUENCY	Operates on 902 to 928MHz (No FCC license required)
PC OPERATING SYSTEM	Windows 7 or newer
OPERATING SOFTWARE	EZ Reader Route Management Suite
STANDARDS	FCC Part 15, CSA, and ROHS
RECEIVER POWER SUPPLY	Powered via vehicle power outlet; 12VDC
RECEIVER DIMENSIONS	L: 9.5" W: 8.4" H: 3.5"
RECEIVER WEIGHT	6 lbs (approximately)
ANTENNA HEIGHT	35" Magnetic Mount
TWO WAY COMMUNICATION	FCC LICENSE EXEMPT
OPTIONS	VESA Vehicle Mounting Bracket
OPERATING TEMPERATURE	-40°F to + 122°F (-20°C to + 50°C)
STORAGE TEMPERATURE	-40°F to + 176°F (-20°C TO + 80°C)

Mi.Net Mobile Transceiver Dimensions

