



OVERVIEW: The MegaNet Meter Transmission Unit (MTU) is a state of the art high powered transmitter used to transmit meter readings to the head end receiver and MCM Software. Utilizing a high powered 2 watt transmission and a low FCC licensed frequency the MTU can transmit over longer distances than any other transmitter in the market reducing the amount of necessary infrastructure.

OPERATION: The MTU is designed to analyze meter usage and data recorded by the encoder register and transmit it back to the utility in real time. The MegaNet MTU operates on a licensed frequency in the VHF 136-174 MHz or UHF 450-470 MHz bands, ensuring maximum range and reliability. The MTU can be installed in a variety of configurations including wall-mount/pit mount options, encoder/digital pulse, and single/dual/quad port configurations. The standard MTU is pre-programmed to deliver hourly data. Electronic data collection improves customer service and allows the utility to better address consumption disputes, water conservation, and monitor water usage. When attached to a meter, the MTU monitors, identifies, and immediately notifies the utility of alarms such as continuous flow, no flow, leaks, tampering, and reverse flow. Readings and meter data are stored in the MCM software database for historical customer usage profile generation.

SECURE AND ROBUST: The MegaNet MTU is universal and compatible with Hersey (Translator), Elster (Scancoder, Invision and Smart Meter), Neptune (ARB III / IV / V, ProRead, Auto Detect, and E-Coder), Sensus (ECR II and ICE), Badger (ADE), Metron, and all other common Absolute Encoder registers.

PERFORMANCE: The Mega-Net MTU only has one operational mode - full two watts of power output in each transmission, without any reduction to warranty. Based on two and a half decades of expertise and experience deploying Fixed Networks in the demanding security industry, MegaNet technology employs field proven levels of safety measures to protect the data, creating the most reliable communication system offered to the AMI industry. Security measures include time slots, channel monitors, data package repetitions and many others.

Features

- Two watts power output achieving the longest range industry wide
- FCC licensed frequency
- Low VHF or UHF frequency
- Instant installation verification
- Easy plug & play installation
- Smart leak detection – extreme or residual
- Backflow detection
- Automatically transmits critical alerts in real time
- Universal MTU
- Multi-port configurations
- Field replaceable lithium battery pack (Wall Mount)

Performance Specifications

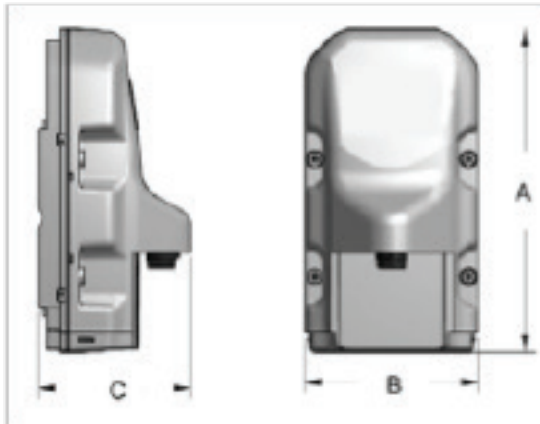
INSTALLATION ENVIRONMENT	Inside / Outside / Pit installation
FREQUENCY BAND	VHF 136-174 MHz, UHF 450-470 MH
MODULATION	FM FSK
OPERATING VOLTAGE	8-15 VDC
STANDBY CURRENT	30µA max
TX CURRENT	0.8A max
POWER OUTPUT	2W
FREQUENCY STABILITY	±1.5ppm at operating temperature range
OPERATING TEMPERATURE	-22°F / 120°F (-30°C / 60°C)
STORAGE TEMPERATURE	-40°F/158°F(-40°C/70°C)
METER COMPATIBILITY	Encoder and Digital Pulse registers

See Dimensions and Weight on next page

Dimensions and Net Weight

Dimensions (inches)				
	A	B	C	Weight (lbs)
Wall Mount	8.41	3.38	2.7	1.3
Pit Mount	7.56	4.06	3.54	1.6

Pit Mount



Wall Mount

