



# Infinity Metering introduces the *next generation of wireless water meter* to the submetering market

Integral radio and water meter,  
**NO WIRES!**

A positive displacement meter,  
**NO WORRY ABOUT VERTICAL INSTALLS!**

True encoded communication for accurate bills,  
**NO MISSED PULSES!**

Factory programmed,  
**NO EXTRA LABOR!**

Fixed or walk-by reading,  
**NO WORRIES!**

## Simple

The ESP comes from the factory ready to install. No special FCC licenses are required so preconstruction time planning is no longer critical. No wiring is required in the field and no configuration programming is required by the installer. By keeping it simple and allowing for a quick installation the ESP keeps installation and maintenance costs down and ensures a successful installation every time, and time is money.

## Flexible

The ESP wireless platform can be adapted to existing water meters, gas meters, and electric meters with pulse output. All types of pulse meters can exist on the same Rf backbone AND they can be read as either a fixed network or by walk-by handheld collector.

## Affordable

With few moving parts and no wires the ESP is innately inexpensive when compared to conventional meters with conventional registers from which it evolved. The network backbone consists of simple repeaters with a simple data collector. Fewer parts thanks to advanced engineering result in the best value in the submetering market, the ESP.

## Accurate

The ESP utilizes the Infinity PD series of positive displacement meters that conform to AWWA C700. PD meters are inherently accurate over a wide flow range and, unlike jetstyle meters, their accuracy is not susceptible to changes in orientation so vertical installs are not a problem. Its positive displacement design is time-proven for long-term accuracy and dependability, ensuring maximum revenue for at least 15 years. The revolutionary LCD display not only shows the meter reading but it communicates that reading via encoded signal to the integral radio. With the radio and battery mounted internally there is no resident tampering and no missed pulses or questionable reads with the ESP!

### Why Submeter?

Results in significant water conservation reduces a property's operation cost. Increases a property's value. Is a fair and easily-understood billing method for residents.

### Installation

The meter must be installed in a clean pipeline, free from any foreign materials. The meter shall be installed with the direction of flow as indicated by the arrow cast in the meter case. The meter may be installed in horizontal or vertical lines.

### Strainers

All meters have a strainer installed in the meter. Strainer screens are rigid, snug fitting, easy to remove and have an effective straining area of at least double that of the main-case inlet.

### Registers

Electronic register integrated with Infinity's **ESP** radio transceiver. Easy to read LCD odometer with 100th of a Gallon resolution. The register also consists of an internal antenna to enhance radio transmission.

### Register includes the following:

- Company Name.
- Month and Year of Manufacture.
- Leak Detector.
- Large, Easy To Read Numbers.
- Size of Meter
- Type of Reading (example U.S. Gallons, Cubic Feet, or m3)

### Specifications

Size	Min GPM 95%	Max GPM 98.5%-101.5%	Max psi	Max °F	LxWxH	Max P loss
3/4B	1/8 gpm	25 gpm	150	120	7.5"x3.875"x6.5"	7.0 psi
1"	3/4 gpm	60 gpm	150	120	10.75"x6.5"x8.5"	9.0 psi

Due to continuous research and product enhancements, Infinity Metering Company, Inc. reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.

### Materials

**Main Case - Bronze**

**Measuring Unit - Thermoplastic**

**O-Ring - Nitrile Rubber**

**Magnet - Ceramic Ferrite**

**Strainer - Thermoplastic**

**Register Lens - Polycarbonate**

**Register Housing - Polyoxymethylene**

**Gearing Wheels - Polycarbonate**

### Connectors

Tailpieces/meter couplings for installation of meters on various types and sizes of pipe are available as an option.

### RF Specifications

- Conforms with FCC Part 15.
- No license required, transmits on an industry-proven frequency of 902-928 MHz.
- 15 year calculated battery life.
- Transmits every 30 seconds for fixed or mobile network .
- Simple network utilizes repeaters to maximize network size.
- Communication with reading computer via Single piece collector allows easy installation.



Find out more  
by visiting our website at  
**www.imcmeter.com**  
info@imcmeter.com

PO Box 948  
Claremore, OK 74018  
**TF. 888-342-2752**  
P. 918-342-2752  
F. 918-342-5949

PO Box 1088  
Ocala, FL 34478-1088  
**TF. 888-401-0070**  
P. 352-401-0017  
F. 352-401-3464