

# FLOWPORT™

The First Accurate and Inexpensive  
Portable Open Channel Flowmeter



# FLOWPORT™

Portable • Accurate • Inexpensive

FlowPort™ is the quickest, simplest way to see what is going on in your collection system. It provides fast, accurate and portable metering of wastewater flows in 8", 10" and 12" sewer pipes. Through the integration of (2) proven technologies; a uniquely designed high accuracy flume and a high reliability level meter, the FlowPort™ is an instrument that efficiently delivers open channel flow data under both temporary and permanent measurement conditions.

Covering a wide range of flows along with its "20-minute" ease of installation and self-cleaning, maintenance-free design, the "take anywhere" FlowPort™ is the perfect solution for collection system surveillance studies or for confirmation of revenue-based flows.

## 20-Minute Installation

With its patented outlet collector design and fully integrated componentry, in almost every instance, the FlowPort™ installs in 20-minutes without manhole modification or reconstruction. Engineered to easily fit into any standard manhole, simply insert the pre-gasketed flume, lock down the legs, raise up the arm and drop in the meter.

- 20-Minute Installation
- Wide Range Capability
- Self-Cleaning Design
- Wireless Data Retrieval
- 1-3 Year Battery Life
- 8", 10" & 12" Operation



## Portable & Lightweight

With its lightweight "take anywhere" design, the FlowPort™ allows for accurate monitoring of extremely low flows along with having excellent rangeability for higher flow range applications.

## Designed for Efficiency In the Field

The FlowPort™ is a fully integrated meter comprised of (2) lightweight components, a high accuracy flume and a smart battery-operated meter. Fully assembled upon delivery, all that is necessary for field installation is a single bolt for each adjustable leg. Once locked into the outgoing pipe of the manhole, all one needs to do is drop in the Bluetooth-enabled wireless level meter, click a few buttons on your mobile device and the FlowPort™ becomes fully operational.

Designed not only for easy installation, the FlowPort's rugged fiberglass reinforced polyester construction provides for many years of corrosion-free and maintenance-free operation. Once installed, confined-space entry for data retrieval or battery replacement becomes unnecessary. Safely retrieve the meter by its stainless-steel chain and then drop it back into its cradle from above ground.



### Wide Range Capability

The FlowPort™ provides wide range flow measurement while maintaining low head loss and high-low flow sensitivity.

- 8" 10 GPM – 550 GPM
- 10" 15 GPM – 1000 GPM
- 12" 25 GPM – 1500 GPM



### Self-Cleaning Design

The trapezoidal throat design of the FlowPort™ mimics the well-known Parshall flume in its self-cleaning property. In addition, the trapezoidal shape opens on increasing area basis with head rise offering an ideal measurement solution when encountering significant debris or solids content.



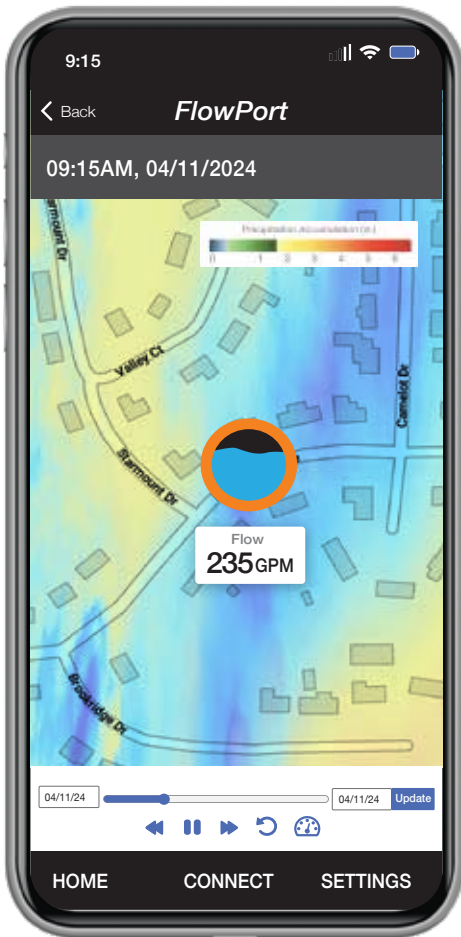
### Wireless Data Retrieval

Without the requirement for confined-space entry, data retrieval is simply accomplished in (3) easy steps.

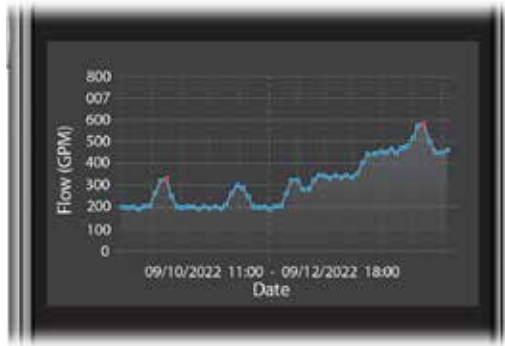
1. Pull Up the Level Meter
2. Connect via Bluetooth
3. Reinsert the Level Meter

Watch the FLOWPORT Video at [smartwastewater.com](http://smartwastewater.com)

# Watch the Effects of I&I Relative to Weather with FlowPort's Playback™ Video Animation Feature



With FlowPort's unique Playback™ feature, the I&I discovery process becomes as simple as watching an animated video of the performance of your collection network under both normal and adverse weather conditions. With a click of the Playback™ button, users are immediately presented with an animated video showing the relationship between wastewater levels and weather events leading up to the I&I episode in question.

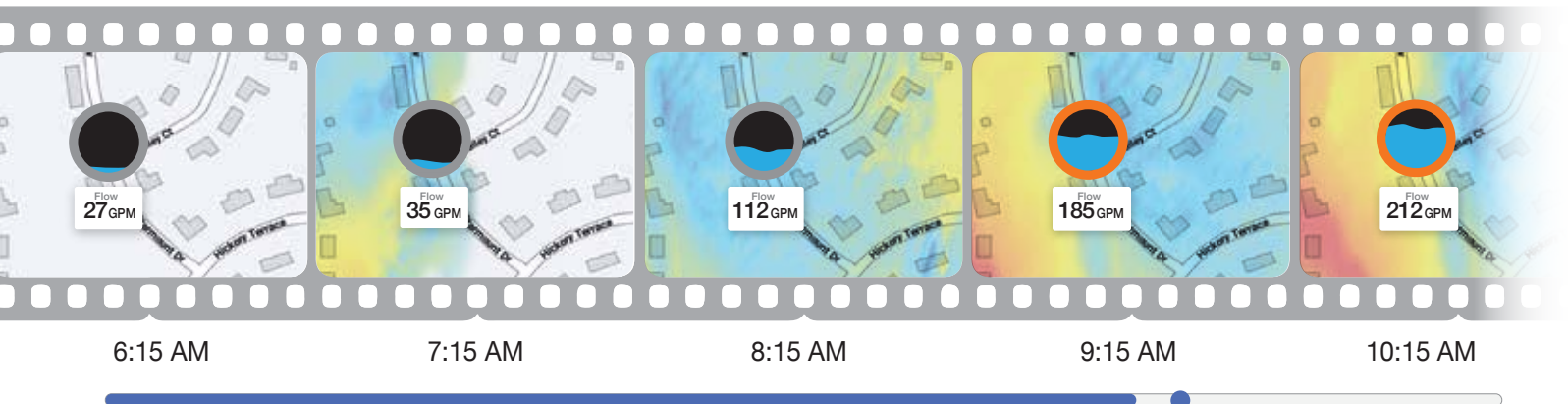


## A Fully Integrated User-Friendly Solution

Every I&I detection study requires costly and time-consuming integration of four independently derived factors; geographic location, historical weather, sensor data and mathematical analysis. Utilizing CGI (Computer Generated Imagery) technology, Playback™ efficiently integrates all four factors; location, weather, data and analysis, into a user-friendly, easy to understand animated video experience. With Playback™ hours and days of animated video showing collection system performance can be compressed into just seconds of viewing time. At each monitored site, historical weather data, updated once every 5-minutes, is synced with 5, 10 or 15-minute interval flow data ultimately providing users with a clearly presented visualization of exactly what transpired within the collection network during the I&I study period.

## I&I Detection at a Glance

With Playback™, utility personnel are now able to view, either in historical or real-time mode, wastewater volumes rising or receding in relation to storm intensity. Follow along as dynamic visuals provide a moving timeline of I&I contribution for each monitored location.



# FLOWPORT™

## 20-Minute Lock-N-Load Installation

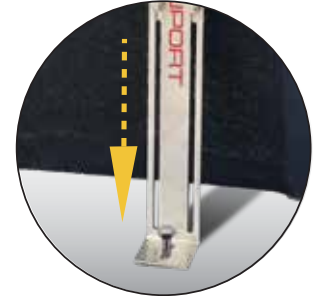
### 1 SLIDE in the FlowPort

Slide pre-gasketed FlowPort™ into outgoing pipe of manhole.



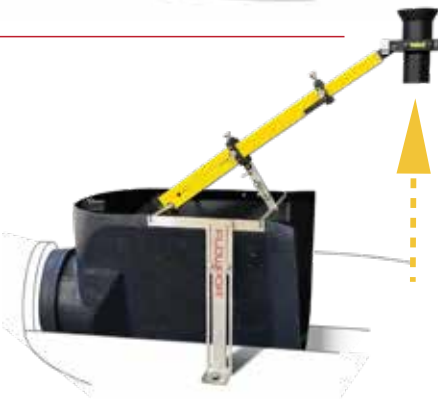
### 2 LOCK Down the Legs

Adjust each leg until Flume is level and bolt to manhole floor.



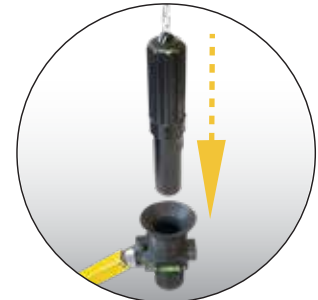
### 3 RAISE Up the Arm

Raise up adjustable meter arm and lock in place.



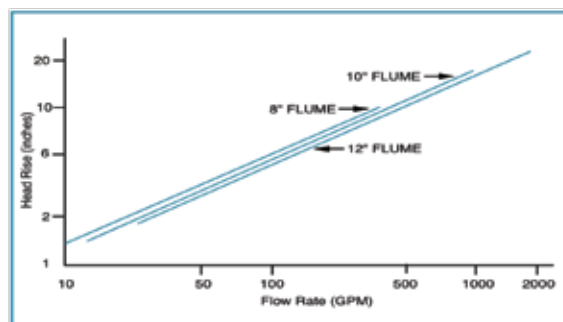
### 4 LOAD in the Meter

Drop meter into cradle and fasten chain near top of manhole



## FLOWPORT™ FLOW RATES

- 8" 10 GPM - 550 GPM
- 10" 15 GPM - 1000 GPM
- 12" 25 GPM - 1500 GPM



### BATTERY

Description: 3.6V Primary Lithium D Cell (Tadiran TL5937)  
Battery Life: 15-Minute Sensing Interval - 12 Months  
60-Minute Sensing Interval - 36 Months

## ORDERING GUIDE

### FP-3X: \$5,875

The FlowPort™ Portable Flowmeter is supplied as a fully integrated instrument that **includes (3) Flume Sections for monitoring of 8", 10", and 12" pipes**; a fully adjustable and interchangeable telescopic arm assembly compatible with each size flume; a smart wireless level meter; all hardware and batteries required for operation and installation; full set of IOMs, on-line training videos and factory technical support.

### FP -A/M: \$4,750

The FP-A/M is an individually packaged Telescopic Arm and Level Meter adaptable to any of the (3) Flume Sections supplied with the FP-3X Portable Flowmeter.

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# PRICING

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## FLOWPORT™

### FP-3X

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