jWAVE

Seametrics

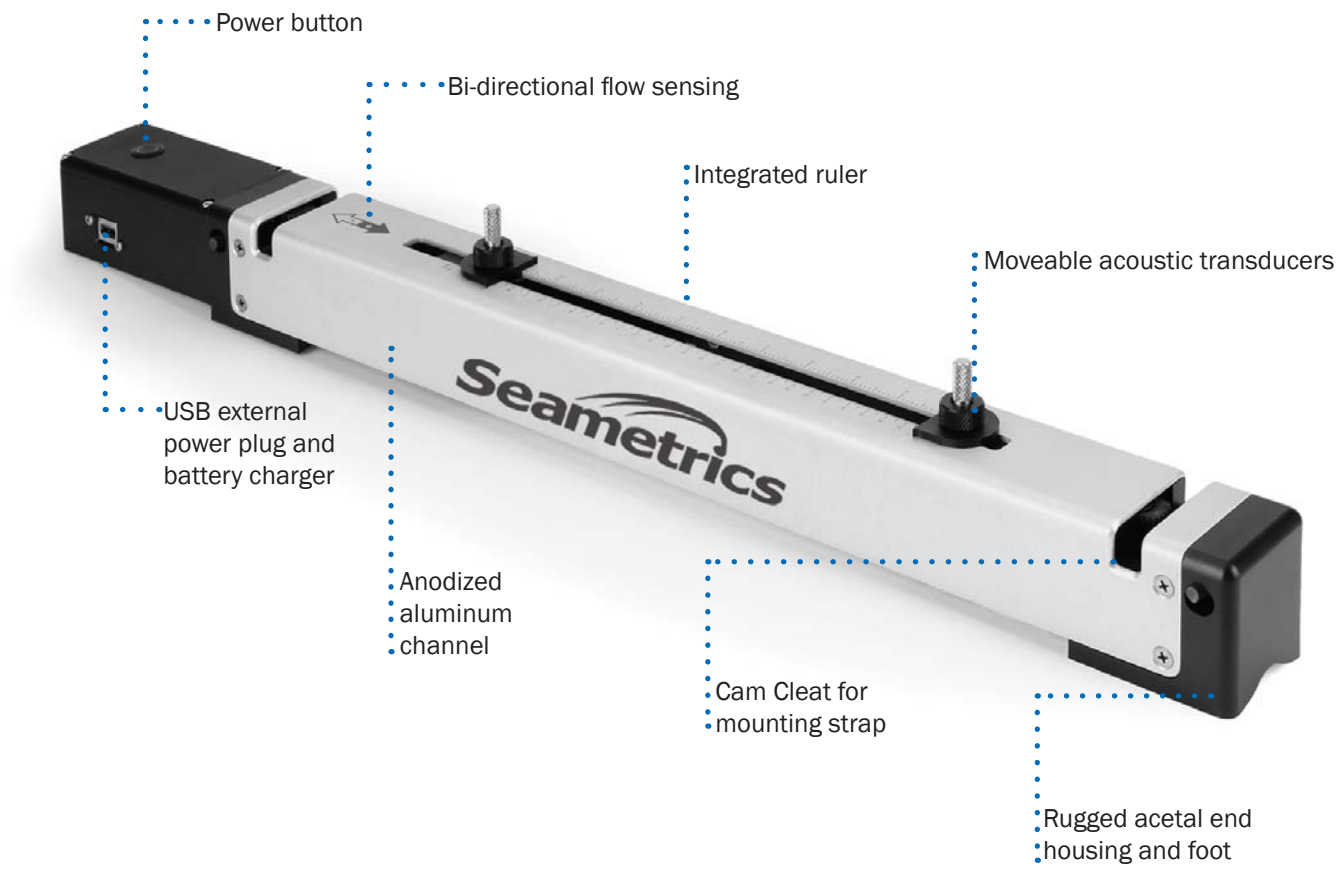
ULTRASONIC TRANSIT TIME METER INSTRUCTIONS

ISO 9001:2008 CERTIFIED COMPANY

PROUDLY MADE IN THE USA

Welcome to Seametrics jWAVE™.

This guide shows you how to download the mobile application and helps you set it up and pair it with the jWAVE Sensor to start taking readings. Your jWAVE has been fully charged at the factory before shipping and works for up to 12 hours of continous use between charges.*



* On a full charge, the jWAVE will have a shelf life of up to five months. It is a good idea to charge the unit for a full eight hours if it hasn't been used for a month or two. Note that if the battery is flat, the power button LED will blink rapidly for five seconds and then the meter will turn off.

Let's get started.

Begin by downloading the Seametrics jWAVE App to your iPhone™ or other bluetooth enabled mobile device from the App Store™ or Google Play™.

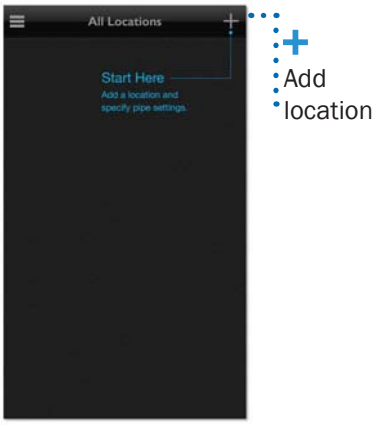
Your jWAVE Sensor battery has been fully charged at the factory before shipping and is ready to go.* When it's time to recharge the battery, the app will let you know.

* On a full charge, the jWAVE will have a shelf life of up to five months. It is a good idea to charge the unit for a full eight hours if it hasn't been used for a month or two. On a full charge the meter should operate for up to twelve hours of continuous use. Note that if the battery is flat, the power button LED will blink rapidly for five seconds and then the meter will turn off.

Add your location.

Launching the app lands you on the locations screen. Begin by tapping on the add location (+) button.

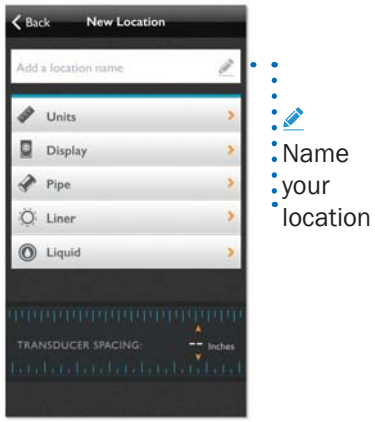
The app always begins with this screen at launch making it easy to access previously saved location settings.



Location set-up.

Drill-down through the parameter selections and choose from the pre-loaded pipe types, pipe dimensions and fluid databases. Don't see the right option? Add your custom values!

Give your location a name, then save. Each location's settings can be stored in the jWAVE app, ready for reuse.



Pipe and liquid parameter selection and input screens.

Units

Toggle between metric and Imperial units of measure. Select Flow Rate, Volume and Velocity from our pre-loaded parameter values or add custom values.

Display

Drag and drop the outputs that you rely on most to display on the main screen.

Pipe

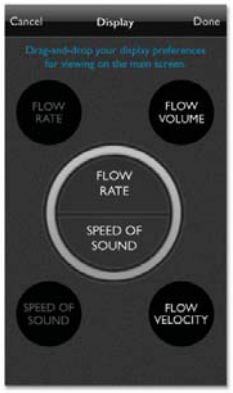
Select Pipe Type and Wall Classifications from our pre-loaded values or add custom values.

Liner

Switch between liner and no liner. When selecting liner enabled, choose Liner Material from our pre-loaded database or add custom values. Enter a custom value to add Thickness.

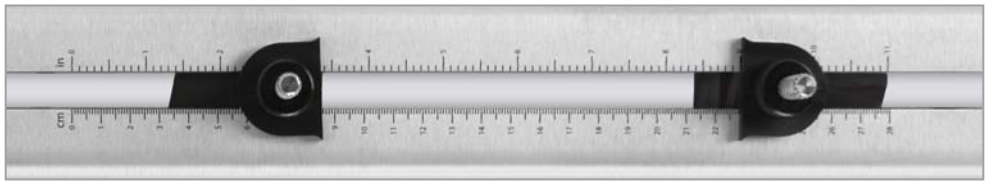
Liquid

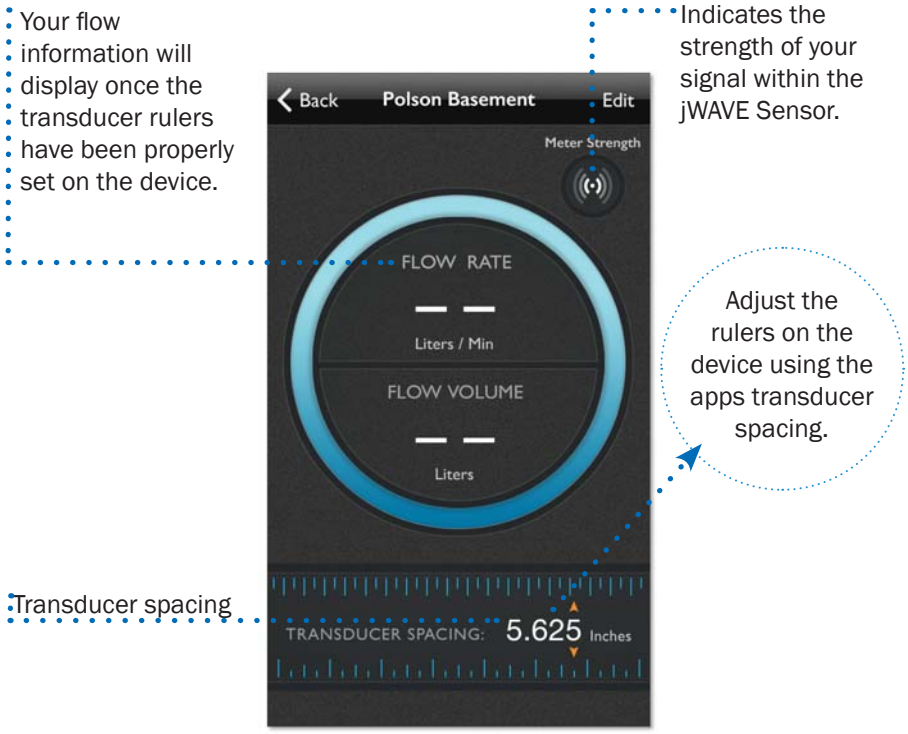
Select Liquid Type from our pre-loaded parameter values or add custom values.



Parameters all set! Now you have your transducer spacing.

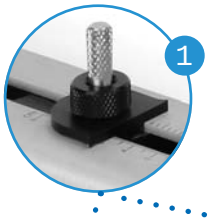
With your location parameters defined you can now get the transducer spacing from the app. Use this value to set the position of transducers on the jWAVE Sensor.





Preparing and mounting the sensor.

Now the convenient Cam Cleat lets you mount the sensor on the pipe in seconds–no cumbersome clamps required. Bi-directional readings are transmitted wirelessly to your mobile device for display.



1 Begin by gently rotating and retracting the silver knobs until they stop.

2 Cover the entire bottom face of each transducer with the coupling gel.

3 Rest the transducer on the pipe – it self-aligns!

4 Wrap the urethane cords around pipe and secure into the Cam Cleats. Do not over tension the cords – hand tighten only.

5 Turn power on. A steady LED indicates that power is on and Bluetooth is connected. The LED will flash if the Bluetooth is not connected.

Take your readings.

Refer back to the jWAVE App to get your flow readings.

Got your readings?

Snap the cords out of their Cam Cleats and you're ready to move on to your next measurement. Next time you return to this location, the jWAVE App will remember your settings.

Support.

Your jWAVE Sensor comes with a 90-day guarantee and technical support. Contact Seametrics at:

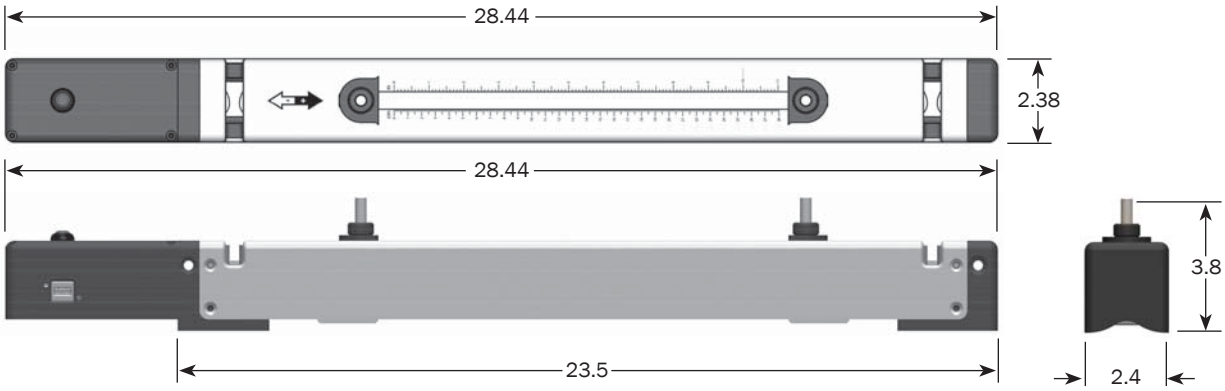
253.872.0284

jWAVE Specifications*.

Pipe Size		2” - 20”
Pressure Drop		Zero
Materials	**Body**	Anodized Aluminum Channel & Acetal End Housings & Feet
	Mounting Straps	EPDM
Temperature	**Ambient & Fluid**	-20˚ to 150˚ F (-29˚ to 65˚ C)
Display		English, Metric and Imperial units provided on App
Flow Operation Range		Bidirectional; -30 to 30 ft/sec (-10 to 10 m/sec)
Accuracy		1% to 2% of reading
Repeatability		0.1% to 0.3%
Output Signal		Wireless Bluetooth connectivity to iOS or Android device
Power		Battery (Up to 12 hours) (1W max) 150 mAmp max current
Installation		10 diameters upstream 5 diameters downstream for optimal performance
Environmental		IP65

**Specifications subject to change • Please consult our website for current data (www.seametrics.com).*

Dimensions.



This device complies with Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

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