

Orcas™ Ultrasonic Flowmeter

A portable flowmeter designed for speed and ease



Orcas is a portable ultrasonic flowmeter designed for speed and ease of use. With the Orcas, you can capture accurate and reliable flow measurements in under one minute—saving you time and money.

There are no wires and no bulky electronics to haul around. Your mobile device connects wirelessly to display measurements. And, the ultrasonic flowmeter installs on the outside of your pipe. With Orcas Flowmeter and the Orcas App, you'll get your job done more quickly every time.



Fast to install, easy to use.

SoundWater Advantages

MEASUREMENTS YOU CAN TRUST

Our proprietary SoundWater Reciprocity Architecture™ prevents zero-flow drift and eliminates the need for calibration, resulting in long-term measurement stability and accuracy.

INCREASES PRODUCTIVITY

Featuring compact lightweight construction and intuitive apps—our products streamline installation, training, and setup—saving you time and money.

MADE IN USA

Locally owned and operated out of Wenatchee, Washington, our products are built with American quality and ingenuity.

WORKS IN TOUGH APPLICATIONS

Our transducers auto-adjust ultrasonic power output depending upon pipe and fluid conditions—giving you more frequent measurements when things get tough (e.g., corroded pipe or murky fluid).

LONG LIFE / LOW MAINTENANCE

SoundWater products are built to last using the highest quality materials, gasketed & double O-ring seals, and silicone gel to protect electronics.

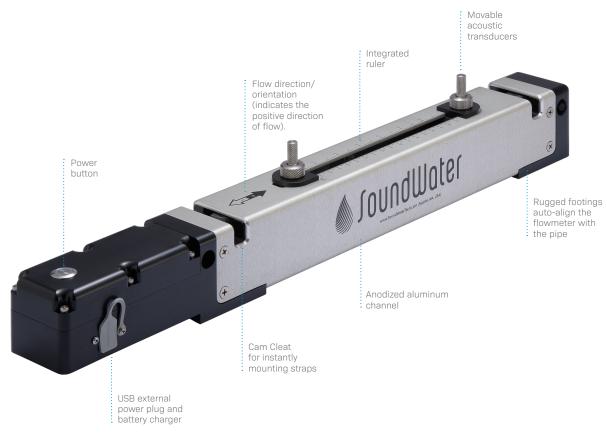
SERVICE & ACCOUNTABILITY

We establish long-term customer relationships based on trust and service. We will respond to your needs and requests within 24 hours.

Advantages & Features

- Measure flow in under one minute
- SoundWater Reciprocity Architecture
- · Auto-Adjusting Ultrasonic Power
- Mobile App for fast, intuitive setup and use
- · One-piece construction; no assembly
- Integrated cam-cleats that instantly snap on/off the pipe
- · Wireless design
- Compact size for carry-on/travel
- Gel-free transducers (optional)
- Battery powered & portable





Orcas App Features

Interactive smartphone/tablet control app —iOS or Android.



Save location information



Handy built-in pipe specifications
— or add your own



Drag and drop output selection





English or metric units



Easy-to-use data logging



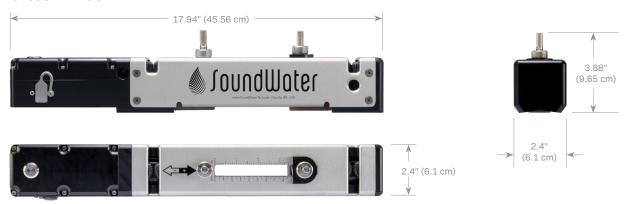
Select liner and liquid types
— or define your own





Dimensions

Orcas Txx-C5



Orcas Txx-C7



Orcas Txx-C11



Orcas Specifications*

15 pipe diameters upstream, 5 diameters downstream for optimal performance (typical) Maximum diameter depends upon pipe material (20" for plastic, 18" for metal) Pipe Materials Metal: Stool Stool Copper Bross Aluminum						
Plastic: PVC, CPVC, HDPE, LDPE, PE, PIP, FRP See Huntwaris options below for details.	Installation	15 pipe diameters upstream, 5 diameters downstream for optimal performance (typical)				
#2.0% to 2.0% accuracy typical (for pipe sizes > 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes > 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% repeated billy #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% repeated billy #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% repeated billy #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% repeated billy #2.0% to 3.0% accuracy typical (for pipe sizes < 1.5°) #2.0% repeated billy #2.0% repeate	Pipe Materials		• •		NOTE. Fipe material compatibility depends upon transducer selection	
22.0% to 3.0% accuracy typical (for pipe sizes < 1.5") O.5% repeatability Under standard conditions, assuming fully developed and symmetrical flow profile (typically saken on a straight fun of 15 diameters upstream and 5 diameters flow material between the processor provided by the explanation of 1.5 diameters upstream and 5 diameters devantered include. If the equipment is used in a manner not specified by the manufacture, the processor provided by the explanation of 1.5 diameters upstream and 5 diameters devanted include. If the equipment is used in a manner not specified by the manufacture is used in a manufacture is used in a manner not specified by the manufacture is used in a manner not specified by	Flow Range	Bi-directional; 0.1 ft/s to 60 ft/s (0.03 m/s to 20 m/s)				
Binding	Performance	±2.0% to 3.0% accuracy typical (for pipe sizes < 1.5")				
Mobile devices connect wirelessly to Orcas with Bluetooth 4.0 (BT LE) Metric and English units Software Sotre up to 365 days, 10,000 measurements, 50,000 datapoints Software Save and recall setup information Mobile device app for iPhone, iPad, iPod Touch and Android devices Hardware Mobile Mobi		and 5 diameters downstream; flow rate above 3 ft/s or 1m/s; non-aerated liquids). If the equipment is used in a manner not specified by the				
Software Save and recall setup information Mobile device app for iPhone, iPad, iPod Touch and Android devices Hardware Mobile device app for iPhone, iPad, iPod Touch and Android devices Mobile device app for iPhone, iPad, iPod Touch and Android devices Mobile device app for iPhone, iPad, iPod Touch and Android devices Mobile device app for iPhone, iPad, iPod Touch and Android devices Mobile device app for iPhone, iPad, iPod Touch and Android devices Mobile device app for iPhone, iPad, iP	Display	Mobile devices connect wirelessly to Orcas with Bluetooth 4.0 (BT LE)				
Hardware MoDEL	Data Logger	Store up to 365 days, 10,000 measurements, 50,000 datapoints				
Orcas T42-C5 1" to 4.5" 18" Plastics, Steels, Aluminum, Copper/Brass Orcas T41-C5 2" to 4.5" 18" Plastics, Steels, Aluminum, Copper/Brass Orcas T41-C7 2" to 8" 22" Plastics, Steels, Aluminum, Copper/Brass Orcas T41-C11 2" to 14" 27" Plastics, Steels, Aluminum, Copper/Brass Orcas T31-C5 2" to 6" 18" Plastics, Steels, Aluminum, Copper/Brass Orcas T31-C5 2" to 12" 22" Plastics, Steels, Aluminum Orcas T31-C1 2" to 12" 22" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C11 2" to 18" 27" Plastics, Steels, Aluminum Orcas T31-C1 2" to 18" Plastics, Steels, Aluminum Orcas T31-C1 Orcas	Software	·				
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Maximizes usable signal and measurement quality.	Zero Stability	Reciprocity based h	Reciprocity based hardware for measurement stability and low flow performance.			
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