

# Orcas™ Ultrasonic Flowmeter

A PORTABLE FLOWMETER



## Fast to install, easy to use.

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.

### ORCAS APP FEATURES

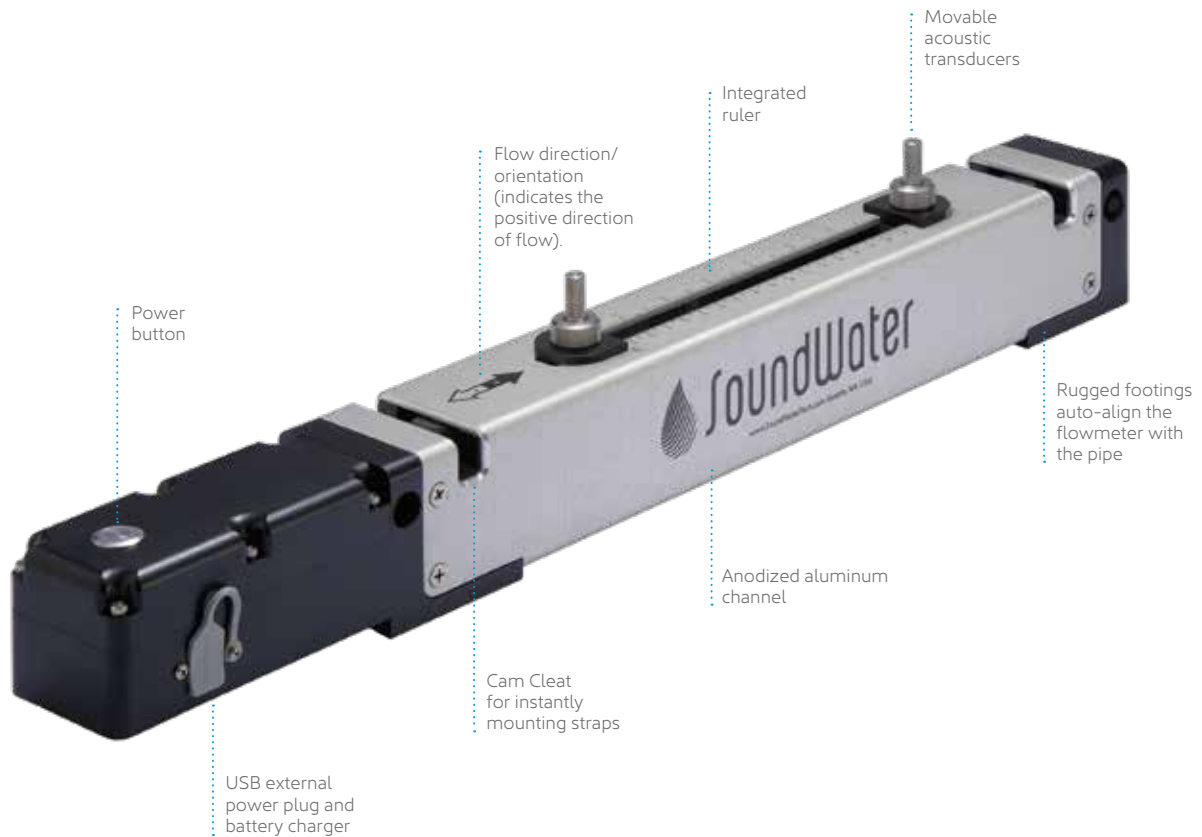
Interactive smartphone/tablet control app —iOS or Android.



### ADVANTAGES & FEATURES

- Measure flow in under one minute
- 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 SPECIFICATIONS\*

\* Specifications subject to change

<b>Installation</b>	Installs on pipe from 1" to 20" nominal diameter depending on hardware selection 15 pipe diameters upstream, 5 diameters downstream for optimal performance (typical) Maximum diameter depends upon pipe material (20" for plastic, 18" for metal)
<b>Pipe Materials</b>	Metal: Steel, Stainless Steel, Copper, Brass, Aluminum, Plastic: PVC, CPVC, HDPE, LDPE, PE, PIP, FRP
<b>Flow Range</b>	Bi-directional; 0.1 ft/s to 60 ft/s (0.03 m/s to 20 m/s)
<b>Performance</b>	±1.0% to 2.0% accuracy typical (for pipe sizes > 1.5") ±2.0% to 3.0% accuracy typical (for pipe sizes < 1.5") 0.5% repeatability
<b>Display</b>	Flow measurements display on SoundWater Technology's Orcas™ App (iOS or Android) Mobile devices connect wirelessly to Orcas with Bluetooth 4.0 (BT LE)
<b>Data Logger</b>	Store up to 365 days, 10,000 measurements, 50,000 datapoints
<b>Power</b>	Rechargeable battery (12+ hours), or USB-powered continuous operation (5 volts)** 0.5W Max (100 mAmp max current; when discharging); 9W Max (1.5 Amp max current, when charging) 5 "AA" NiMH 6V pack with thermistor **Use only the charger provided with the flowmeter. Battery holds charge for 5 months when not in use. **Charger compatible with 110/220VAC 50/60 Hz.

For more information, contact your local Irrigation Components Branch.

[irricomp.com](http://irricomp.com)

**Southeast**  
(251) 626-5470

**Southwest**  
(806) 318-3854

**Northwest**  
(509) 492-0846

**Idaho**  
(208) 731-7285

**Midwest/Great Lakes**  
(308) 381-1509