SoundWater

Quick Start Guide

Welcome to SoundWater Camano™.

This guide shows you how to set up your new flowmeter to start taking measurements.
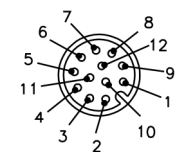

MODEL: SWT CAMANO-01

Let's get started

1 Connect to Power

Connect 24V DC (8W minimum) power using the supplied cable. For both power and communications, use the wire color codes shown below.
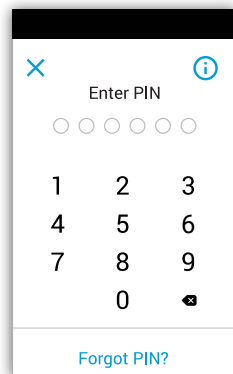
WIRING COLOR DEFINITIONS

☐	1	Power ground 0V
◼	2	RS485 Data (+)
◼	3	Pulse output, open drain
◼	4	4-20mA output
◼	5	RS485 Data (-)
◼	6	MODBUS, isolated ground
◼	7	Not connected
◼	8	Power 20-26V DC
◼	9	Alarm output, open drain
◼	10	Not connected
◼	11	Power ground 0V
◼	12	Not connected

Supplied Cable Pinout
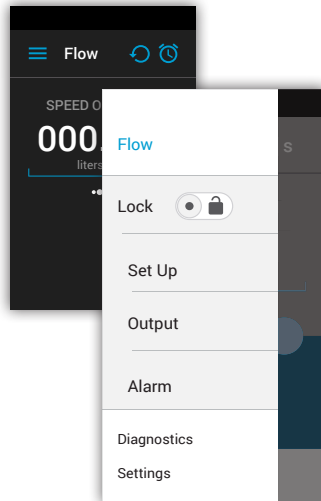

2 Unlock the App

Choose and enter your own PIN (6-digit access code)—and remember it, as you'll need it going forward to access the app.

3 Prepare for Set Up

Use the Drawer Icon (≡) to access Camano's menu—then select **Set Up** for parameter settings.

Parameter settings are protected behind a lock. To unlock, simply tap on the Lock icon (🔒) and enter your PIN.
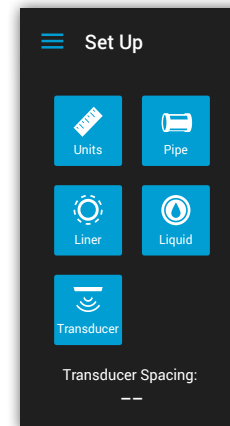

4 Set Pipe and Liquid Parameters

Units - Toggle between metric and Imperial units of measure. Select **Flow Rate**, **Volume** and **Velocity** from Camano's pre-loaded values.

Pipe - Select **Pipe Type**, **Size** and **Wall Thickness** from Camano's pre-loaded values or add your own custom values.

Liner - If your pipe has an internal lining (optional), select **Liner** to choose the liner material and thickness.
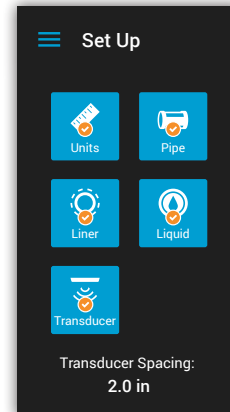
Liquid - Select a **Liquid Type** and **Temperature** from pre-loaded values.

Transducer - Select **Transducer** to specify your transducer part number. The part number is shown on the side of your transducer in the form of TS-Txx-Cxx.

5 Set Transducer Spacing

When an orange check mark is shown on all menus, then the setup is complete and the **Transducer Spacing** will be shown at the bottom of the screen. Use this value to set the position of transducers *(Step 5B, next panel)*.

Getting to know the Camano app interface

Tap to access the apps PIN protected menu options: Set Up, Output, Alarms, Diagnostics, and Settings

Your flow information will display once the flowmeter's sensor is mounted onto the pipe.

Tap to reset the Totalizer. This feature is password protected, enter you password and press again to confirm and reset the Totalizer.

Alarm icon changes based on the status of the alarm (on, off, and alert).

Swipe to page through Flow Rate, Flow Volume, Speed of Sound, and Flow Velocity measurements.

Flow

FLOW RATE
000.000
liters/day

FLOW VOLUME
000.000
liters

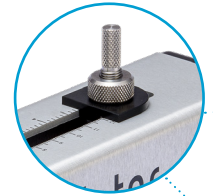### 5B Set Transducer Spacing, continued

Unlock the movable acoustic transducer with a slight counter-clockwise turn of the short-wide knob.

Once unlocked, slide the transducer to the distance indicated by the app and lock in place with a clockwise turn of the short-wide knobs.

Preparing and mounting the sensor

1 Gently rotate and retract the tall knobs counterclockwise until they're slightly inside the aluminum housing.

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

3 Rest the transducer on the pipe—it self aligns!

6 Connect the transducer cable to the Camano control unit. Insert the transducer cable's circular connection into the lefthand-side 5 pin receptacle. Hand tighten only.

7 Start taking your flow measurements!

SoundWater
www.SoundWaterTech.com (Wenatchee, WA. USA)

Flow
FLOW RATE
1002.3
gpm
FLOW VOLUME
10324
gal

4 Be sure that the two flowmeter parts are aligned axially.

BEFORE fully securing the straps, be sure to orient the two flowmeter parts 180 degrees apart. Simply aligning by eye is sufficient—but do your best!

5 Rotate the tall thin silver knobs clockwise to press the transducers firmly against the pipe.

Support

Email SoundWater Technologies at **support@soundwatertech.com** or call **1-509-899-7838**