Flowline® Ultrasonic Level Sensors and Switches (Non-contact) The Flowline EchoPod®, EchoSonIC®, EchoSpan®, and EchoSwitch® are innovative ultrasonic liquid level sensor families that are ideal to replace float, conductance and pressure sensors that fail due to dirty, sticky and scaling liquids and condensation in small, medium and large capacity tanks. These liquid level sensors can be used in either open or enclosed tanks (not suitable for pressurized tanks). PC software configured or pushbutton configured models are available.

WebCal Software Configured Ultrasonic Liquid Level Sensors & Switches
- EchoPod UG01 and UG03 Series Ultrasonic Liquid Level Sensors
- EchoPod DL Series Ultrasonic Level Transmitters
- EchoPod DL Series Multi-Function Ultrasonic Liquid Level Sensors
- EchoSonIC II Series Ultrasonic Liquid Level Transmitters
WebCal Ultrasonic Level Sensor Configuration Software and USB Adapter
- Free WebCal Configuration Software (download only)
- WebCal Software CD also available for purchase
- USB-2001 fob USB adapter

PodView®
The PodView digital level indicator is a low-cost general purpose level indicator that displays engineering units for level or volume and is compatible with the EchoPod Series ultrasonic level sensors.

Pushbutton Configured Ultrasonic Liquid Level Sensors & Switches
Pushbutton Configuration: With no software or PC required, the EchoPod, EchoSonIC, and EchoSwitch ultrasonic level sensors are easily configured using integral pushbuttons and LCD digital display. Configuration parameters are organized in a simple menu structure so that parameter values are easily accessed and set or changed as needed.
- EchoPod® LL Series Ultrasonic Level Sensors
- EchoSonIC® UG01 and UG03 Series Ultrasonic Level Sensors
- EchoSwitch® LU Series Ultrasonic Level Sensors

Flowline® Reflective Technology™ Ultrasonic Liquid Level Sensors (Non-contact) The EchoPod and EchoTouch ultrasonic level sensors feature Flowline’s proprietary Reflective Technology, which is designed to perform level measurements in applications with condensation. These units can replace float, conductance and pressure sensors that fail due to contact with dirty, sticky and scaling media from small to large capacity tanks. These non-contact sensors are available with single and multi-function capabilities, including continuous level measurement, switching and control and can be easily monitored by a PLC or other controller. Configure with WebCal PC software and limited pushbutton configuration available for UG06 model.

EchoPod® UG06 Series
- Reflective Technology measures reliably with condensation
- 6m measurement range
- Narrow 3" beam for limited space applications
- Corrosion resistant PVDF transducer & NEMA 4X / IP66 polypropylene enclosure
- Configuration via WebCal Software with limited configuration via integral pushbutton display module

EchoSwitch® LU Series Ultrasonic Level Sensors
- 3 level detection ranges: 9.8 ft, 18 ft, and 26.2 ft
- 4-20mA output provides local or remote level detection
- Narrow 2" or 3" beam for limited space applications
- LCD display indicates level height
- Short 1.5" deadband for max filling capacity
- Four programmable relays with embedded level control
- Configuration via WebCal Software

EchoSwitch® LU Series Ultrasonic Liquid Level Transmitter
- Narrow 2" or 3" beam for limited space applications
- Corrosion resistant PVDF transmitter & NEMA 4X / IP66 polypropylene enclosure
- LCD display indicates level in inches, centimeters or percentage
- Fail-safe intelligence and diagnostic feedback

Flowline® Reflective Technology™
Condensation is a commonly encountered variable in liquid level applications that causes a weakening of signal strength on ultrasonic sensors that have a flat horizontal transducer face substantially reducing their measurement reliability. Reflective Technology™ uses vertical surfaces to prevent a significant amount of signal reduction. Condensation is a commonly encountered variable in liquid level applications that causes a weakening of signal strength on ultrasonic sensors that have a flat horizontal transducer face substantially reducing their measurement reliability. Reflective Technology™ uses vertical surfaces to prevent a significant amount of signal reduction.
EchoPod® & EchoSonic® II Ultrasonic Liquid Level Sensors

EchoPod® DS14 Ultrasonic Liquid Level Switch and Controller
- Continuous non-contact level detection up to 1 ft
- Narrow 2” beam and short 1” deadband optimized for small tanks
- Corrosion resistant PVDF transducer & NEMA 6P polycarbonate enclosure
- UV stable for outdoor use
- Four programmable relays with embedded level control
- Configuration via WebCal Software & USB adapter

EchoPod® DX10 Ultrasonic Liquid Level Transmitter
- Continuous non-contact level detection up to 1 ft
- Selectable voltage or frequency signal output
- Narrow 2” beam and short 1” deadband optimized for small tanks
- Corrosion resistant PVDF transducer & NEMA 6P polycarbonate enclosure
- UV stable for outdoor use
- Configuration via WebCal Software & USB adapter

EchoPod® DL10 Ultrasonic Liquid Level Transmitter
- Continuous non-contact level detection up to 1 ft
- % 4-20mA output for up to 1000 ft. signal distance
- Narrow 2” beam and short 1” deadband optimized for small tanks
- Corrosion resistant PVDF transducer & NEMA 6P polycarbonate enclosure
- UV stable for outdoor use
- Configuration via WebCal Software & USB adapter

EchoPod® DL Series Multi-Function Ultrasonic Liquid Level Sensors
- Continuous non-contact level detection up to 1 ft
- % 4-20mA output for up to 1000 ft. signal distance
- Narrow beam and short deadband optimized for small tanks
- Corrosion resistant PVDF transducer & NEMA 6P polycarbonate enclosure
- UV stable for outdoor use
- Configuration via WebCal Software & USB adapter

PodView® Digital Level Indicator
- Operates with EchoPod DL, DS, and DX series level sensors compatible with WebCal 6.0 software / firmware 50.0 or higher
- No separate power supply required
- Make quick simple adjustments to EchoPods or configuration
- Level indication up to 10 feet away from sensor

EchoSonic® II LU Series Ultrasonic Liquid Level Transmitters
- 3-level detection ranges: 9.8 ft, 18 ft, and 26.2 ft
- DPF auto adaptive filters optimize signal output and obstacle recognition

ProSense® Submersible Level Sensors
The S1T1 series has a slim 1-inch diameter housing and a ported bullet nose cap for protection of the sensor diaphragm. The S1T2 series features a large 2.75-inch diameter PTFE flexible diaphragm surrounded by a 316 stainless steel non-fouling protective cage.
- S1T1 Series Transmitter with 1-inch Diameter Housing
- S1T2 Series Transmitter with 2.75-inch Diameter Diaphragm and Protective Cage
- Submersible Level Transmitter Vent Filter
- Submersible Level Transmitter Bellows
- Junction Boxes for Submersible Level Transmitters
- Submersible Level Transmitter Replacement Nose Caps

ProSense Float Level Switches
These switches are available in several different material constructions for compatibility with many types of liquids, a wide temperature range, and various system pressure requirements. Vertical and horizontal mounting styles with several mounting thread variations are available for ease of installation.
- Vertical Top-Mount
- Vertical Suspended / Submersible
- Horizontal Side Mount
- Flat Level Switch Kits
- Flat Level Tilt Switches

VFL Series Vibration Fork Liquid Level Switches
The ProSense VFL Series Vibration Fork Level Switches are designed using tuning fork technology for reliable liquid point level detection for monitoring, alarming, and control applications. The electronics cause the tuning forks to vibrate at their natural frequency. When the forks come in contact with the medium, the fork vibration frequency will change and trigger the switch output to change state. These sensors are suitable for use in tanks, vessels, and pipes, and are ideal alternative for applications where other liquid point level technologies such as float switches or conductive, optical and capacitance sensors are not suitable due to conductivity, turbulence, buildup, air bubbles, foam, pressure, temperature, and viscosity changes.
- 1/2” or 3/4” NPT process connection
- Short or extended insertion lengths
- Standard or high temperature constructions
- 3-wire DC output or PLC inputs or 2-wire AC/DC output for control of valves and pumps
- M8 quick disconnect or DIN style electrical connectors
- Robust stainless steel construction
- LED indication provides visual function check
- External function test with test magnet