



EchoPod Ultrasonic Level Switch, Controller and Transmitter

Features & Benefits

- Multi-function sensor provides 4-20 mA measurements, switch and control functions
- Rugged PVDF transducer and poly carbonate enclosure rated 6P for corrosive applications
- Compact sensor with 2" beam width and 2" dead-band optimized for small tank applications
- Priced the same or less than floats, capacitance and resistive rods
- 4 relays rated @ 1 Amp, programmable for switch or advanced pump or valve control and fail-safety
- WebCal® Software makes EchoPod configuration fast and easy.

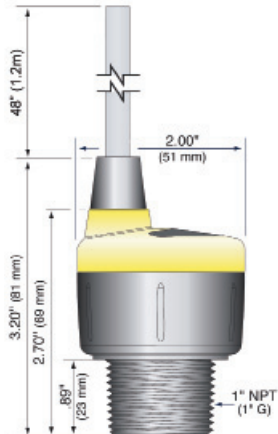
EchoPod Description

This general purpose, ultrasonic sensor provides non-contact level detection up to 49.2" (1.25m) with 4 SPST 60 VA IA relays and a two-wire 4-20 mA level measurement output. Each relay can be configured on a single set point alarm or latched on two set points for automatic fill or empty in simplex or duplex control modes with fail-safe logic. The embedded control can replace external control hardware. The sensor is well suited for a wide range of corrosive, sticky or dirty type media. EchoPod is broadly selected for small atmospheric day tank, skid or process vessel, lift station, IBC, drum and sump applications. To configure EchoPod, download the free WebCal software and purchase one USB FOB interface tool.

Specifications

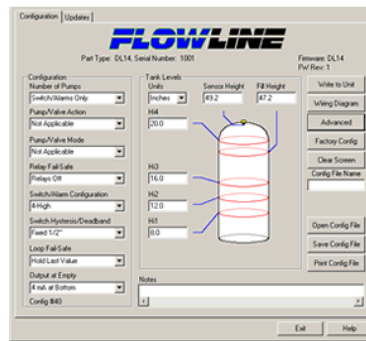
Range	49.2" (1.25m)
Accuracy	0.125" (3 mm)
Resolution	0.019" (0.5 mm)
Deadband	2" (5 cm)
Supply Voltage	24 VDC (loop)
Loop resistance	400Ω Max
Consumption	0.5W
Signal output	4-20mA, Two-Wire (when loop powered)
Contact type	(4) SPST Relays 1A
Loop fail-safety	4 mA, 20 mA, 21 mA, 22 mA or Hold Last
Relay fail-safety	Power Loss: Hold Last Power On: Open, Close or Hold last
Hysteresis	Selectable
Configuration	WebCal® PC Windows® software
Temp. comp.	Automatic over range
Process temp.	F: 20° to 140° C: -7° to 60°
Ambient temp.	F: -31° to 140° C: -35° to 60°
Max. working pressure	30 PSIG
Enclosure	Type 6P, Encapsulated, Corrosion Resistant & Submersible
Encl. material	PC/ABS FR
Strain relief mat.	Santoprene
Trans. material	PVDF
Cable length	48" (1.2 m)
Cable jacket mat.	Polyurethane
Process mount	1" NPT (1" G)
Mount. gasket	Viton®
Classification	General Purpose
Approvals	cFMus, CE
Compliance	RoHs

Dimensions



Setup Software

EchoPod is user configured via WebCal software through the Fob USB interface tool. Configuration files can be easily created, saved, copied into one or more units, emailed or modified. WebCal allows you to take control of your level process with its intuitive interface, pre-programmed menus, tank set point graphics and custom wiring diagrams for each configuration. Set-up takes minutes.



LI99 FOB Shown

Application Photos



EchoPod Measures Level in a Stand Pipe



EchoPod Mounted in a Plating Tank

Ordering Information

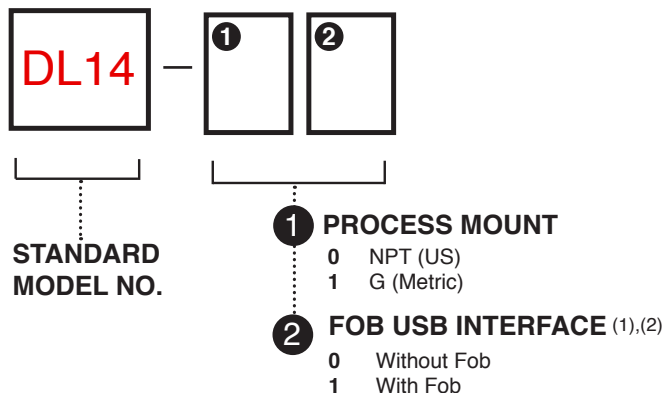
FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **330.468.0180**

Use the diagram below, working from left to right to construct your Flo-Corp Model Number. Simply match the category number to the corresponding box number.

Example: DL14-01

EchoPod, NPT Process Mount, With Fob USB Interface



Ordering Notes

- 1) One FOB USB interface tool (LI99-1001) and WebCal are required to configure EchoPod. FOBs are universal and one FOB can configure multiple sensors.
- 2) WebCal is a free download @ www.flowline.com/webcal (Windows® XP Compatible).

Specifications are subject to change without notice.

