EchoPod ®

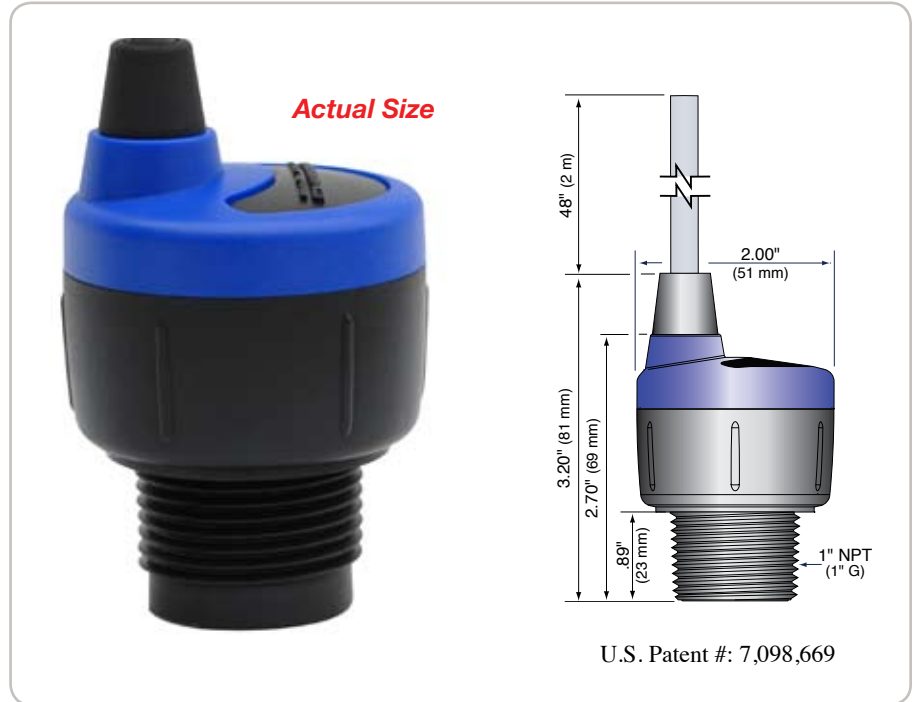## *DX10 Ultrasonic Level Frequency Transmitter*

Introducing EchoPod

The general purpose, DX10 ultrasonic sensor provides non-contact level measurement up to 49.2" (1.25m) with a 0-5 VDC, 0-10 VDC or 976-2000 Hz. frequency output. Select the voltage output to directly replace a contact measurement sensor connected to a PLC analog input. Select the frequency output to replace a contact measurement sensor or switch assembly, and eliminate the cost of an analog input card by connecting the DX10 to a PLC discrete input. The sensor is well suited for a wide range of corrosive, sticky or dirty type media. The DX10 is broadly selected for small atmospheric tank, IBC, drum, skid or process vessel and sump applications. To configure EchoPod, download our free WebCal software and purchase one USB interface tool.
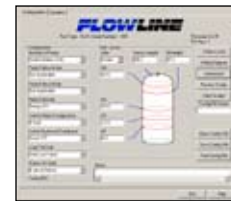

Actual Size

U.S. Patent #: 7,098,669

Specifications

Range:	49.2" (1.25 m)
Accuracy:	0.125" (3 mm)
Resolution:	0.019" (0.5 mm)
Beam width:	2" (5 cm)
Dead band:	2" (5 cm)
Supply voltage:	24 VDC
Consumption:	0.5W
Signal output:	0 - 5 V, 0 - 10 V, 976 - 2000 Hz
Frequency:	Sink current = 15 mA nominal
Fail-safety:	Full, empty, hold last
Configuration:	WebCal® Software, USB 2.0
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˚
Pressure:	MWP = 30 PSI
Enclosure:	Type 6P
	encapsulated, corrosion
	resistant & submersible
Encl. material:	Polycarbonate
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:	CE, cFMus

Features

☑ Sensor provides 0-5 VDC, 0-10 VDC or 976-2000 Hz level measurement

☑ Compact sensor with 2" beam width and 2" dead band optimized for small tank applications

☑ Rugged PVDF transducer and polycarbonate enclosure rated 6P for corrosive media

Configuration

EchoPod is configured using Flowline's WebCal software and Fob, a USB® interface tool. A single configuration can be easily created, saved, duplicated, emailed or modified. Take control of your level process with WebCal's intuitive interface, pre-programmed menus, tank set point graphics and custom wiring diagrams for each of your configurations. It's level configuration made simple.

LI99-1001 Shown

WebCal Software

EchoPod ® *Ordering*

    DX10- ☐ ☐

Process mount (1)
0 NPT (US)
1 G (Metric)
Fob USB interface (2)
0 Without Fob
1 With Fob

Ordering Notes

1) *EchoPod can not be configured without the Fob USB interface tool (LI99-1001) and WebCal. One Fob will configure all EchoPods.*

2) *WebCal is a free download from our website at www.flowline.com (Windows® XP Compatible, USB 2.0).*