

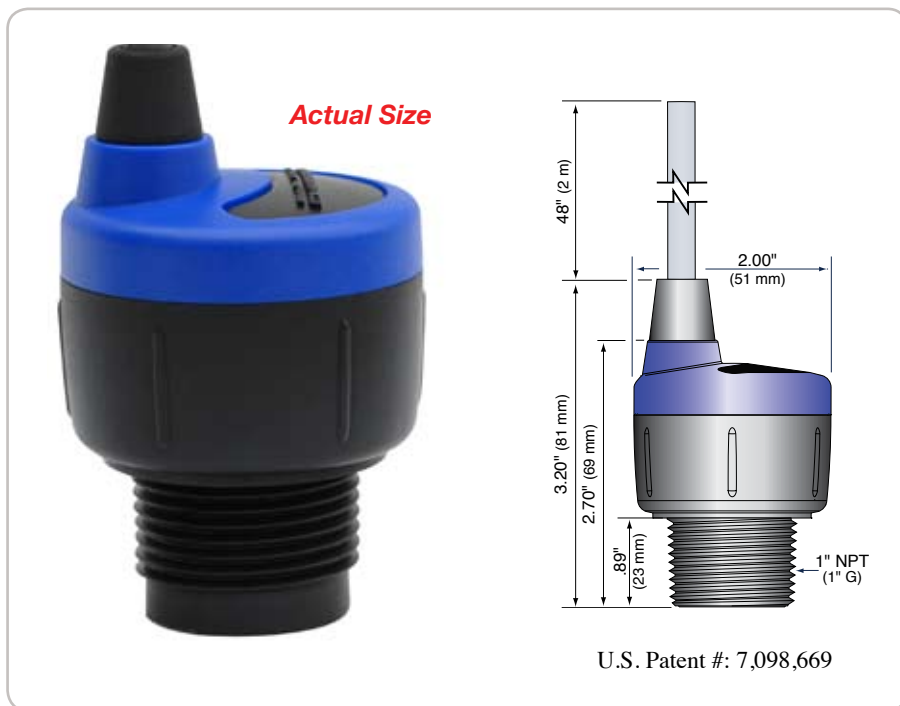
### Introducing EchoPod

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.



### 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°<br>C: -7° to 60°                               |
| Ambient temp.:      | F: -31° to 140°<br>C: -35° to 60°                             |
| Pressure:           | MWP = 30 PSI                                                  |
| Enclosure:          | Type 6P<br>encapsulated, corrosion<br>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.



WebCal Software



LI99-1001  
Shown

### EchoPod®

### Ordering

|                              |                          |                          |
|------------------------------|--------------------------|--------------------------|
| <b>DX10-</b>                 | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Process mount (1)</b>     |                          |                          |
| 0                            | NPT (US)                 |                          |
| 1                            | G (Metric)               |                          |
| <b>Fob USB interface (2)</b> |                          |                          |
| 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](http://www.flowline.com) (Windows® XP Compatible, USB 2.0).