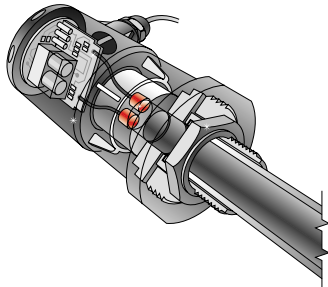




CRICKET™ II LOW COST ALPHASONIC LEVEL TRANSMITTER



- Accurate and reliable level measurement from 0.3 to 10 feet
- Low-cost solution for broad range of OEM and process applications
- Not influenced by changing liquid conductivity or dielectric values
- PP enclosure rated NEMA 4X with 1/2" conduit connector
- Acoustic wave guides available in PP, PVC or PVDF materials
- Compact size and 1" mounting threads for restricted space
- Add a 1/2" NPT threaded plastic pipe to complete the transmitter
- Automatic temperature compensation over entire range



General Purpose	Yes	Medium pressure	No
Conductive	Yes	Intrinsically safe	No
Non-conductive	Yes	Non-contact	No
Δ Conductive	Yes	Dirty	No
Clean	Yes	Coating	No
Foam	Yes	Integral relay	No
Contact	Yes	Vapors	No
Non-coating	Yes	Δ Gas density	No
Ambient pressure	Yes	Vacuum	No
Low pressure	No		



A high frequency alphasonic sound wave is pulsed two times per second from the base of the transducer. The sound wave reflects against the process medium below and returns to the transducer. The microprocessor based electronics measure the time of flight between the sound generation and receipt, and translates this figure into the distance between the transmitter and process medium below.

SPECIFICATIONS

Range:	0.3 to 10' (9 cm to 3 m)
Accuracy:	± 1% of span in air
Resolution:	0.125" (3 mm)
Frequency:	2 kHz.
Pulse rate:	5 per second
Dead band:	0.2' (5 cm) minimum
LED indication:	Power status
Supply voltage:	12-36 VDC
Loop resistance:	600 ohms @ 36 VDC
Signal output:	4-20 mA, 12-36 VDC
Signal invert:	4-20/20-4 mA
Span adjustment:	potentiometer
LED indication:	Power status
Temp. rating:	F: -40° to 140° C: -40° to 60°
Pipe size:	1/2" (12 mm)
Pipe material:	PVC, PP or PVDF (recommended)
Enclosure rating:	NEMA 4X (IP65)
Enclosure Mat'l:	PP (U.L. 94 VO)
Mounting threads:	1" NPT (1" G)
Thread Mat'l:	PP
Mounting gasket:	Viton (1") metric
Conduit conn.:	1/2" NPT

APPLICATION

The two-wire, low cost alphasonic level transmitter is mounted through the top wall of the tank and provides non-contact measurement up to 10'. The transmitter is best applied in non-coating or scaling type liquids. Simply add a 1/2" NPT threaded pipe to complete the package. The pipe reduces the measurement space down to 1/2" while separating foam from the point of measurement.

Cricket Shown with customer supplied pipe

Approvals

CE compliance: EN 50082-2 immunity
EN 55011 emission



Sheet provided by:
KTH Sales, Inc
www.KTHSales.com

This document is provided for reference and is believed to be accurate at the time of publication. However, Flowline reserves the right to change the product specifications at any time without notice. Additional information may be obtained on the Internet at <http://www.flowline.com> or by contacting Flowline.

Alphasonic Level Transmitter		STARTS FROM \$ 375
LA12 - 1 0 <input type="checkbox"/> 1		Add \$ _____
Mounting Thread (2) 		Add \$ _____
0 - 1" NPT 6 - 1" G (add \$5)		Total \$ _____

The G thread sensor comes with a 3/4" Viton mounting gasket.

The Cricket level transmitter is shipped with the transmitter and a 1/2" FNPT PP connector. Add a 1/2" NPT plastic pipe at the desired length to complete the package.

LEVEL SUPERSTORE