Ricochet ™
Two-Wire AlphaSonic Level Transmitter

Features

☑ Simple compact sensor with fixed span and LED status indicator

☑ Two measurement ranges up to 3.7m with 3/4" and 2" transducers

☑ Narrow 8° beam width for application in restricted space

☑ PP enclosure rated NEMA 4X with rugged PVDF transducer

☑ Fail-safe intelligence with diagnostic feedback for easy troubleshooting

Description

The general purpose two-wire ultrasonic transmitter provides non-contact level measurement up to 12' or 3.7 m, and is well suited for corrosive or ultrapure liquids. The transmitter is typically selected for light duty atmospheric day tank and process vessel applications. Media examples include ultrapure water, potable water and brine solutions.

LA20-50_1
Shown

LA15-50_1
Shown

Specifications

Range:	LA15: 3.6" to 6' (9 cm to 1.8m) LA20: 6" to 12' (15 cm to 3.7m)
Accuracy:	± 0.25% of span in air
Resolution:	0.125" (3mm)
Beam width:	8° conical
Dead band:	LA15: 3.6" (9 cm) LA20: 6" (15 cm)
LED indication:	Power and fail-safety
Supply voltage:	12-36 VDC
Loop resist.:	600 Ohms @ 24 VDC
Signal output:	4-20 mA, two-wire
Fail-safety:	Reverts to 22 mA during echo-loss
Process temp.:	F: -40° to 140° C: -40° to 60°
Temp. comp.:	Automatic
Electronics temp.:	F: -4° to 140° C: -20° to 60°
Pressure:	30 psi (2 bar) @ 25° C., derated @ 1.667 psi (.113 bar) per °C. above 25° C.
Enclosure rating:	NEMA 4X (IP65)
Encl. material:	PP, UL94VO
Trans. material:	PVDF
Process mount:	LA15: 3/4" NPT (3/4" G) LA20: 2" NPT (2" G)
Mount. gasket:	Viton®
Conduit entrance:	Single, 1/2" NPT
Classification:	General purpose
CE compliance:	EN 61326 EMC

Ricochet   Ordering

LA ☐☐ ☐-50 ☐ 1

Sensor range / size
- **15**   6' (1.8 m) / 3/4"
- **20**   12' (3.7 m) / 2"

Process mount (1)
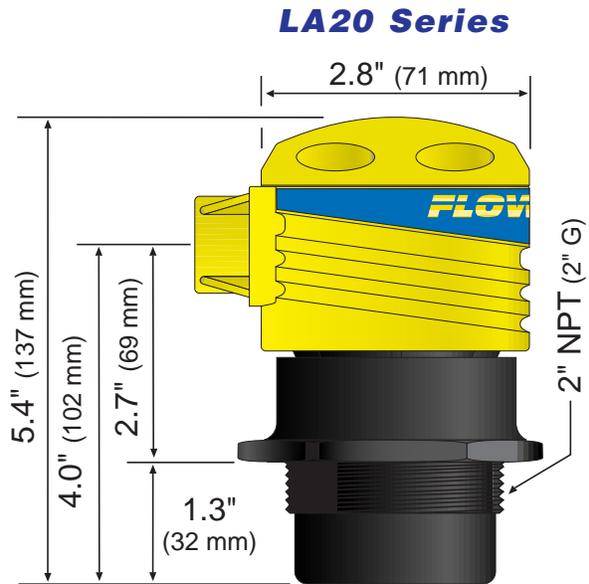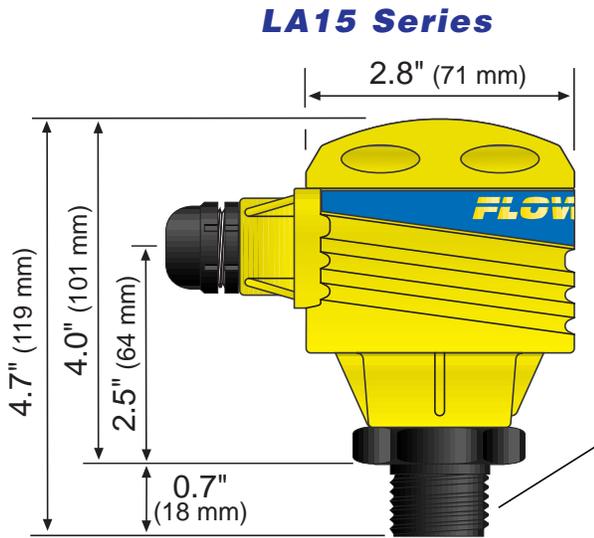- **0**   NPT (US)
- **6**   G (Metric)

Ordering Notes
1) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.
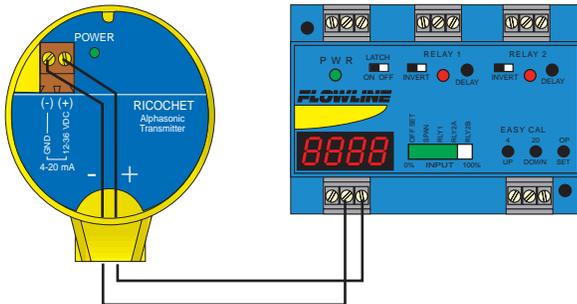
CE

Ricochet ™ *Two-Wire AlphaSonic Level Transmitter*

Dimensions

LA15 Series

2.8" (71 mm)

4.7" (119 mm)
4.0" (101 mm)
2.5" (64 mm)
0.7" (18 mm)

LA20 Series

2.8" (71 mm)

5.4" (137 mm)
4.0" (102 mm)
2.7" (69 mm)
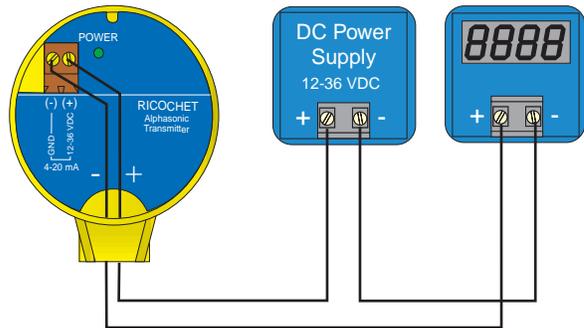1.3" (32 mm)
2" NPT (2" G)

Specifications are subject to change without notice.
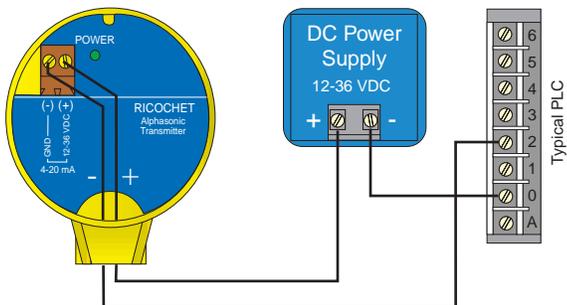

Wiring to LC52 Controller

Wiring to Loop Powered Meter

Wiring to PLC

Wiring to Universal Panel Meter

Universal Panel Meter
LI1_ Series

VAC Power