

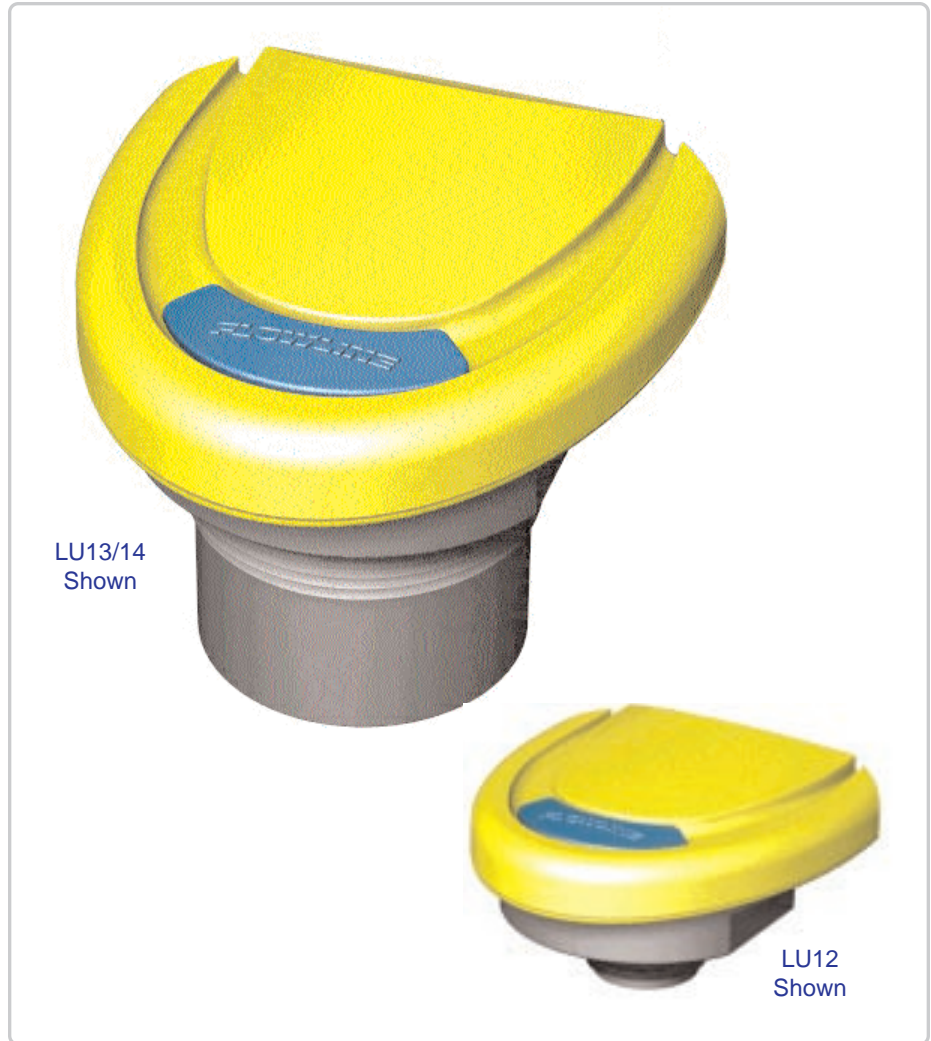
MiniMe™ Two-Wire Ultrasonic Level Transmitter

Features

- Extreme measurement accuracy with an incredible .16' or .33' dead band
- NEMA 6X polycarbonate enclosure with rugged Kynar® transducer

Specifications

Range:	LU12: 0.16' to 10' (5 cm to 3m) LU13/14: 0.33' to 40' (10 cm to 12.2m)
Accuracy:	± 0.15% of span in air
Resolution:	0.125" (3 mm)
Beam width:	LU12: 2" diameter LU13/14: 3" diameter
Dead band:	LU12: 0.16' (5 cm) LU13: 0.33' (10 cm) LU14: 0.66' (20 cm)
LED indication:	Power, calibration and echo-status
Memory:	Non-volatile
Supply voltage:	12-28 VDC
Loop resist.:	600 Ohms @ 24 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Target, calibration wire
Fail-safety:	Reverts to 22 mA
Process temp.:	F: -40° to 160° C: -40° to 71°
Temp. comp.:	Automatic
Electronics temp.:	F: -40° to 160° C: -40° to 71°
Pressure:	30 psi (2 bar) @ 25° C., derated @ 1.667 psi (.113 bar) per °C. above 25° C.
Enclosure rating:	NEMA 6X (IP67)
Installed height:	1.7" (4.3 cm) above tank process mount
Encl. material:	PC/ABS FR
Trans. material:	PVDF Kynar®
Cable jacket mat.:	Polypropylene
Cable type:	3-conductor, shielded
Cable length:	Standard: 10' (3m) Special order: 25' (7.6m) or 50' (15.2m)
Process mount:	LU12: 1" NPT (1" G) LU13/14: 2" NPT (2" G)
Mount. gasket:	Viton® (G version only)
Classification:	General purpose
CE compliance:	EN 50082-2 immunity EN 55011 emission



Description

MiniMe redefines performance for continuous non-contact ultrasonic level measurement in bulk chemical, oil and waste storage tanks up to 40'. The compact corrosion proof package is completely sealed and stands only 1.7" above the tank top. The range may be spanned in less than a minute utilizing the target calibration wire and a single flashing LED for calibration feedback. MiniMe is level made simple!

From \$495 Ordering

LU1 -50 1

Sensor range / size

- 2 10' (3m) / 1"
- 3 25' (7.6m) / 2" - add \$200
- 4 40' (12.2m) / 2" - add \$400

Process mount (1) (2)

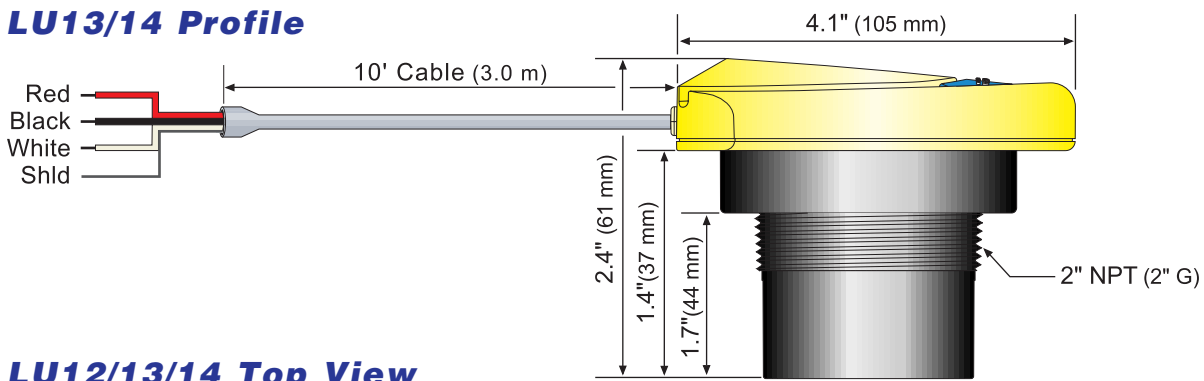
- 0 NPT (US)
- 6 G (Metric) - add \$5

Ordering Notes

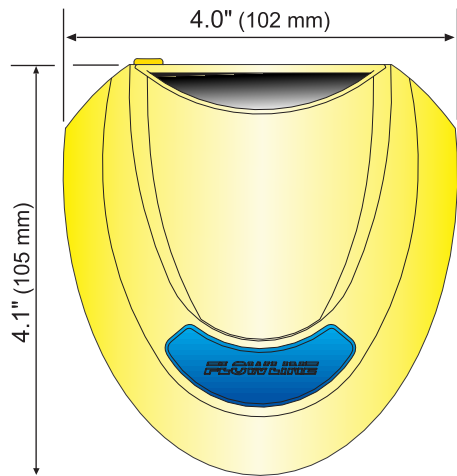
- 1) The straight G thread version seals with an included Viton® mounting gasket.
- 2) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket for \$30. Locate the bracket far enough inboard from the side wall to avoid sensor beam width conflicts.

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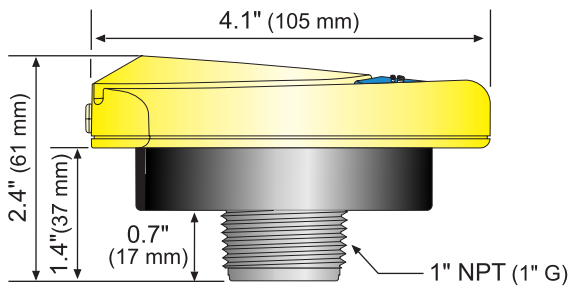
LU13/14 Profile



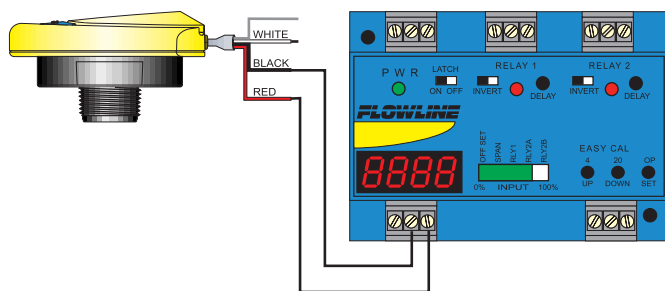
LU12/13/14 Top View



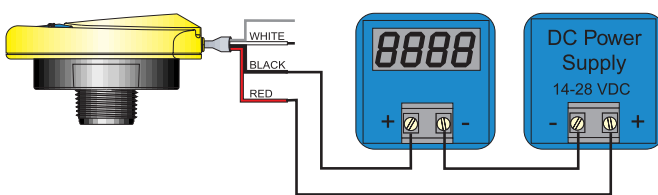
LU12 Profile



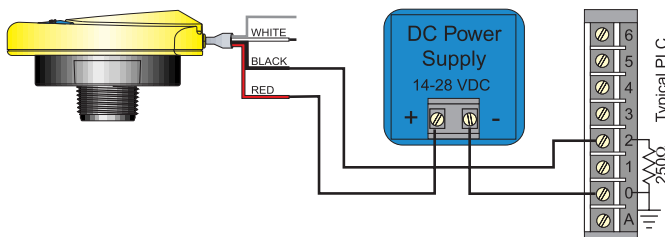
To a LC52 Series Controller



To a Loop Powered Display



To a PLC



To a LI1_Panel Meter

