



LEVEL

ULTRASONIC LEVEL TRANSMITTERS LU2 SERIES

DESCRIPTION

The **LU2 Series Ultrasonic Level Transmitter** provides non-contact liquid level measurement with a reversible 4-20 mA output. Models are available in three measurement ranges from 8.2' to 32.8' (2.5 to 10m), and an accuracy of $\pm 0.2\%$. The **LU2 Series** is ideal for ultrapure, corrosive, waste, and slurry applications. Transmitters can be quickly configured using WebCal software. Download free WebCal software from www.kele.com. The software offers pre-programmed menus, tank set point graphics, and custom wiring diagrams. User can define loop failsafe, start-up condition, output at empty, and specific tank levels.

FEATURES

- 8.2', 24.6', 32.8' (2.5, 7.5, or 10m) ranges available
- Simple configuration
- Polycarbonate enclosure designed to be corrosion resistant and submersible
- Minimal deadband optimizes the filling capacity of tanks and sumps
- Adjustable loop failsafe
- 2" (5.1 cm) beam diameter for applications with restricted space

APPLICATIONS

- Cooling tower sumps
- Tanks
- Wells
- Ice storage
- Waste sumps
- Process vessels

SPECIFICATIONS

Supply voltage	24 VDC	Memory	Non-volatile
Loop resistance	500 Ω @ 24 VDC	Fail safe	4/20/21/22 mA or hold last
Signal output	4-20 mA, two-wire	Process temperature	-4° to 140°F (-20° to 60°C)
Range		Ambient temperature	-31° to 140°F (-35° to 60°C)
LU27	4" to 8.2' (10cm to 2.5m)	Temperature compensation	Automatic
LU28	8" to 24.6' (20cm to 7.5m)	Pressure	30 psig (206.9 kPa)
LU29	8" to 32.8' (20cm to 10m)	Enclosure	Polycarbonate, NEMA 6P (UL 50 type 6P)
Accuracy	$\pm 0.2\%$ of span in air		10' (3m) length
Resolution		Cable	
LU27	0.019" (0.5 mm)	Process mount	
LU28/29	0.079" (2 mm)	LU27	1" NPT
Beam width		LU28/29	2" NPT
LU27	2" (5.1 cm) diameter	Agency approvals	CE compliance, FM approved
LU28/29	3" (7.6 cm) diameter		
Deadband (from sensor)			
LU27	4" (10 cm)		
LU28/29	8" (20 cm)		

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FLOWLINE



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LEVEL

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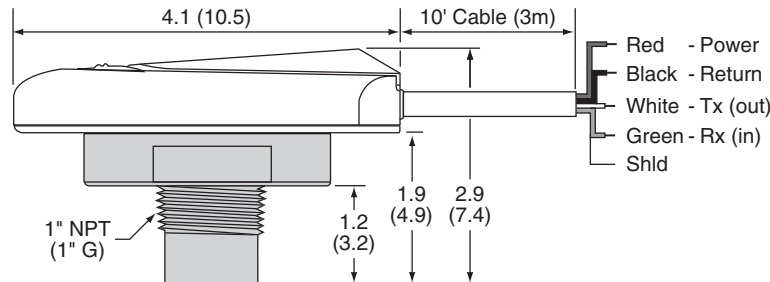
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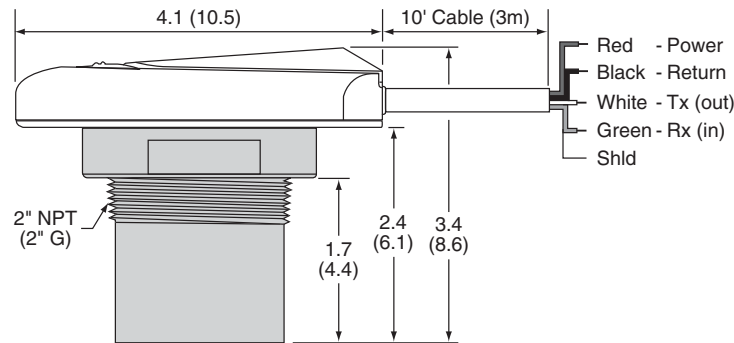
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DIMENSIONS



LU27



LU28/29

ORDERING INFORMATION

MODEL	DESCRIPTION
LU27-01	Ultrasonic level transmitter with fob, 8.2 ft (2.5m)
LU28-01	Ultrasonic level transmitter with fob, 24.6 ft (7.5m)
LU29-01	Ultrasonic level transmitter with fob, 32.8 ft (10m)

NOTE: 1. Add suffix -B to model number for units with mounting bracket. (**Example:** LU27-01-B, 8.2' level transmitter with mounting bracket).

2. For a pre-configured unit, add suffix -C and specify: loop fail safe, output at empty, start-up condition, and tank level values. (**Example:** LU28-01-B-C, pre-configured 24.6' transmitter with bracket).

ACCESSORIES

LI99-1001	USB® Fob interface (required to calibrate the transmitter)
LM50-1001-1	1" Bracket for LU27
LM50-1001	2" Bracket for LU28/29