

# LPU-2127 Loop Powered Ultrasonic Sensor



With a built in keypad for easy programming and flexibility, the LPU-2127 provides continuous level/distance measurement you can count on. Its durability, range, and simplicity make it a great sensor for many applications.

## Features

- 1 - 25 ft. (0.3 - 7.6 m) detection range on liquids
- Loop powered 4-20 mA output
- Integrated keypad and LCD display



# LPU-2127 Specifications



## Performance

- Operating Range
  - 1 - 25 ft. (0.3 - 7.6 m) on liquids
  - 1 - 10 ft. (0.3 - 3 m) on solids
- Beam Pattern: 9° off axis
- Internal Temperature Compensation
- Frequency: 69 kHz
- Accuracy:  $\pm 0.25\%$  of detected range
- Resolution: 0.1 in. (2.5 mm)
- Response Time: Dependent on output ranges from 0.6 - 3 seconds
- Sample Rate: 3 seconds at 4mA - 0.6 seconds at 20mA

## Connectivity

- Output:
  - 4-20 mA (loop-powered)
  - 600 ohms @ 24 VDC
  - 150 ohms @ 12 VDC

## Environmental

- Ratings: IP65
- Operating Temp: -40° - 140°F (-40° - 60°C)

## Certification

- Class 1, Div. 2, Groups C & D
- Class 1, Zone 2, AEx nA IIB T6

## Electrical

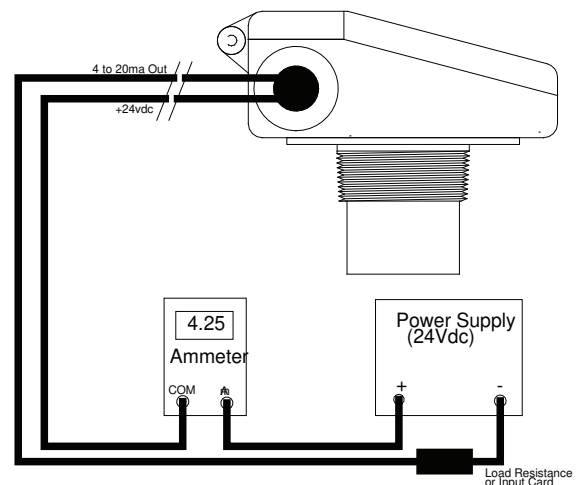
- Cable Connection: 2-terminal connector
- Total Current Draw: 4-20 mA
- Supply Voltage: 12-28 VDC

## Programming

- Integrated keypad and LCD display

## Physical

- PVDF (Kynar®) transducer housing
- PET upper housing
- Transducer Type: Ceramic, PVDF face



# Model Configuration

Model Number: LPU-2127