

LOE Web-Enabled Ultrasonic Level Sensors



Flexible by Design

The LOE ultrasonic sensor line is designed for remote level measurement. Simply plug in your ethernet cable for inexpensive, web-based remote level measurement. They are fully programmable for various applications, giving the user complete control.

Features

- Programmable response time
- RS-485 Modbus communication
- LAN embedded webpage

LOE Specifications

LOE-2126 & LOE 6126



LOE-3136



Performance

- Operating Range
 - LOE-2126: 1 - 25 ft. (0.3 - 7.62 m)
 - LOE-3136: 1.5 - 40 ft. (0.46 - 12.19 m)
 - LOE-6126: 7 - 180 in. (0.18 - 4.57 m)
 - LOE-7126: 5 - 144 in. (0.13 - 3.66 m)
- Beam Pattern: 90° off axis
- Internal Temperature Compensation
- Frequency:
 - 69 kHz - LOE-2126, LOE-6126
 - 43 kHz - LOE-3136
- Accuracy: $\pm 0.25\%$ of detected range
- Resolution: 0.1 in. (2.5 mm)
- Response Time: Up to 5 Hz, or once every 200 ms

Connectivity

- Output:
- Ethernet TCP/IP to internal web page or APG website
 - Two (2) Isolated Solid State Relays (130 mA max)

Environmental

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

Electrical

- Total Current Draw: 80 mA @ 24 VDC
- Supply Voltage: 24 VDC
- Wiring Connection: 6 conductor shielded cable

Programming

- Programmable via the APG website or LAN
- User selected units of measure

Physical

- PVDF transducer housing
- PCB/PET blend upper housing

Certification

- Class 1 Division 2, Groups A, B, C, D
- IP65

Options

Part Number: LOE - _____
A

A. Model		Part #
<input type="checkbox"/> 2126	1 - 25 ft. (305 - 7620 mm)	125677
<input type="checkbox"/> 3136	1.5 - 40 ft. (457 - 12192 mm)	125690
<input type="checkbox"/> 6126	7 - 180 in. (178 - 4572 mm)	125689
<input type="checkbox"/> 7126	5 - 144 in. (127 - 3658 mm)	125689

LOE Accessories

Please order separately, by part number.

Description	Part Number
POE	
POE Installation Kit - includes POE Power injector and cable (7 ft. orange cross-over cable and 7 ft. red Ethernet cable)	125695
POE Injector 48 V, 0.42 A and cable	136281-0001
Ethernet Extension Cables	
7 ft. orange crossover	136282
7 ft. red cable	136283-0007
25 ft. red cable	136283-0025
7 ft. blue cable	136284-0007
25 ft. blue cable	136284-0025
POE Power Injector (Power Supply)	
POE Injector 48 V, 0.42 A and cable	136281-0001