

## MNU Series Ultrasonic Sensor



Flexible by Design

The MNU series sensors utilize standard Modbus RTU protocol (RS-485). The MNU is designed to work as a slave device. With the ability to measure volume and distance, the MNU is the ideal sensor for your application.

### Features

- Ranges from 4 in - 40 ft
- Self-Contained Sensor
- RS-485 Modbus RTU Interface
- Measure Distance, Level, or Volume
- Internal Temperature Compensation

### Datos fiscales:

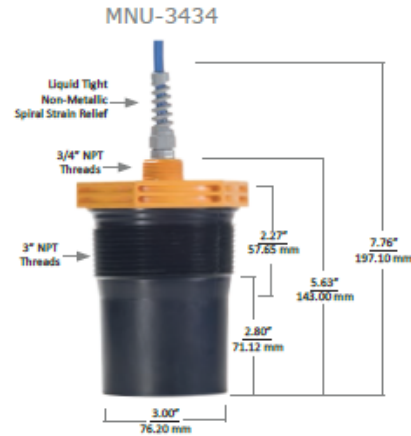
Corporación Eco Industrial y Comercial S.A de C.V.  
Plan de San Luis # 101 Int. 801 Col. El Coecillo  
León, Gto. C.P. 37260

### Oficina de Ventas:

Cd. de México  
Cd. de Querétaro  
Nextel

Tel (55) 5510-4265  
Tel (442) 212-8075  
Tel 01 (442) 413 7630  
Tel 01 (442) 410 1565

## MNU Specifications



### Performance

- Operating Range:
  - MNU-5414: 4 - 79 in (101 - 2007 mm)
  - MNU-5424: 4 - 79 in (101 - 2007 mm)
  - MNU-7424: 6 - 144 in (152 - 3657 mm)
  - MNU-6424: 7 - 180 in (178 - 4572 mm)
  - MNU-2424: 1 - 25 ft (0.30 - 7.62 m)
  - MNU-3434: 1.5 - 40 ft (0.46 - 12.19 m)
- Beam Pattern: 9° off axis
- Internal Temperature Compensation
- Frequency:
  - 43 kHz (MNU-3434), 69 kHz (MNU-6424, 2424)
  - 90 kHz (MNU-7424), 170 kHz (MNU-5414)
- Accuracy: ±0.25% of detected range
- Resolution: 0.1 in. (2.5 mm)
- Response Time: Programmable

### Connectivity

- Output: Modbus RTU (RS-485)

### Environmental

- Ratings: NEMA 6P
- Operating Temp: -30° - 140°F (-34° - 60°C)

### Electrical

- Total Current Draw: 22 mA
- Wiring Connection:
  - 4-conductor twisted-pair cable
  - 4-pin micro-connector

### Programming

- Interface with RS-485 Modbus RTU
- Windows compatible software can be provided to adjust internal parameters.
- User selected units of measure

### Physical

- PC/PBT blend upper housing
- Transducer Type: Ceramic, PVDF faced

### Certification

- NEMA 6P

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## Options

 Part Number: MNU- \_\_\_\_\_ - \_\_\_\_\_  
                                           A                  B

### A. Model

- 5414**      4 - 79 in (101 - 2007 mm) 1 inch NPT
- 5424**      4 - 79 in (101 - 2007 mm) 2 inch NPT
- 7424**      6 - 144 in (152 - 3657 mm)
- 6424**      7 - 180 in (178 - 4572 mm)
- 2424**      1 - 25 ft (0.30 - 7.62 m)
- 3434**      1.5 - 40 ft (0.46 - 12.19 m)

### B. Cable/Micro Connector

- CL**            Specify length - standard length is 6 ft
- M**             Micro connector (note: Mating connector cable sold separately)

## MNU Accessories

Please order separately, by part number.

Description	Part Number
<b>4 Conductor Over-molded Extension Cables with Foil Shield</b>	
Straight, 2 m	135407-0002
Right angle, 2 m	135407-1002
Straight, 5 m	135407-0005
Right angle, 5 m	135407-1005

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