# Noise Sensor, RS485, 1M cable

## SRMS100-2010-7601
## Noise Sensor

### Features

- Simple wall mount install
- Wide range of 30 - 120dB
- Modbus RTU, RS485 digital output
- Accurate measurements & Fast response speed

### Applications

- Factory floors
- Office environments
- Automotive / Roadway
- Residential areas
- Construction zones
- Other noise sensitive environments

### Description

The L-com SRMS100-2010 series is a noise measurment device used to detect and measure ambient noise. Besides causing damage to the auditory system (hearing loss), long-term exposure to relatively strong noise can affect work efficiency, cause accidents and even cause pathological issues. Utilizing a sensitive microphone with wide range, the SRMS100-2010 noise sensor can be used in a variety of applications ranging from the factory floor to invasive outdoor noise sources, such as that from vehicular traffic. The L-com SRMS100-2010 series is part of the IoT portfolio of products available from L-com, in-stock and ready to ship. Contact our knowledgeable technical support and sales staff for more information on this, and other IoT products from L-com.

### General Specifications

| | |
|---|---|
| Application: | Noise Sensor |
| Mounting: | Wall |
| Process Connector: | flying leads |
| Sensing Element: | Condenser Microphone |
| Output Signal: | RS485 (Modbus) |
| Cable Length: | 100 cm |

Red:+Vcc
Black:GND
Green:RS485A/RS232Rxd
White:RS485B/RS232Txd
Bare:Shield

| Description | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|
| Sound Level | 30 | | 120 | dB |
| Frequency Range | 20 Hz | | 12500 Hz | |
| Accuracy | | 3 | | %FS |

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|
| Power Supply/Excitation Level | 10 | 24 | 30 | VDC |
| Power Supply Current | | 400 | | mA |
| Response | | | 2,000 | msec |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Noise Sensor, RS485, 1M cable SRMS100-2010-7601

USA & Canada **+1(800) 341-5266** | International **+1(978) 682-6936** | L-com.com

# Noise Sensor, RS485, 1M cable

**Pasternack Part No.**
**Marketing Header**

### Material Specifications

| Description | Material |
|---|---|
| Cable Material | PVC |
| Housing Material | ABS |

### Environmental Specifications

| | |
|---|---|
| Temperature (Operating) | -20deg C to 60deg C |
| Temperature (Storage) | -30deg C to 85deg C |
| Ingress Protection | IP65 |

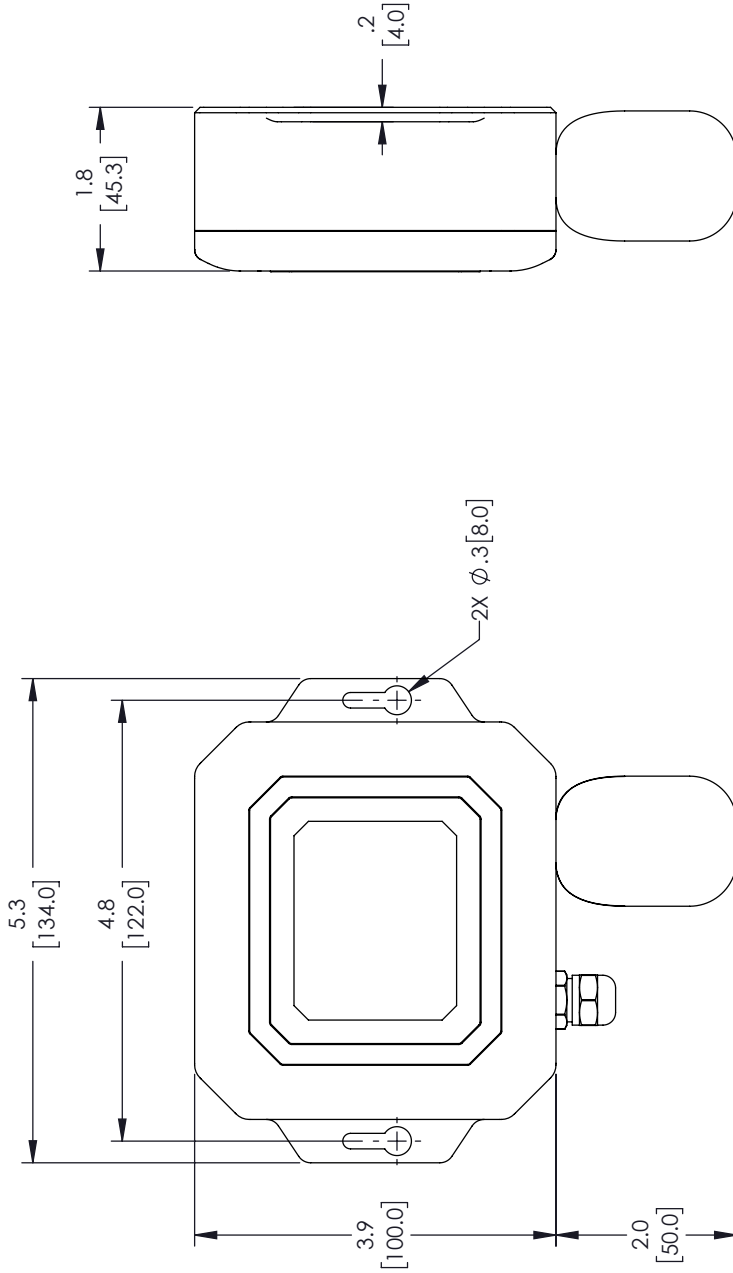### Certifications

CE Compliant

The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

# SRMS100-2010-7601 **CAD Drawing**
Noise Sensor, RS485, 1M cable

.2
[4.0]

1.8
[45.3]

2X ⌀ .3[8.0]

5.3
[134.0]

4.8
[122.0]

3.9
[100.0]

2.0
[50.0]

**REVISIONS**

| REV. | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| A | INITIAL RELEASE | 3/29/22 | THOUGHTON |

NOTES:
1. COMPONENT SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.

**REGULATORY COMPLIANCE:**
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

| | |
|---|---|
| X = ± .2 [5.08] | FRACTIONS |
| .XX = ± .02 [ .51 ] | ± 1/32 |
| .XXX = ± .005 [ .13 ] | ANGLES ± 1° |

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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| SIZE | CAGE CODE | DRAWN BY | |
|---|---|---|---|
| A | 43321 | DMAY | |

ITEM NO.
SRMS100-2010-7601

SIZE A
SCALE N/A
SHEET 1 OF 1
REV A

THIRD-ANGLE PROJECTION

T-Rev.D

SRMS100-2010-7601  REV 1