Temperature and Humidity Sensor, duct mount, 4-20mA

SRTH100-2001E-6501
Temperature and Humidity Sensor

Features

- Simple installation
- Durable IP67 housing
- 4-20mA output
- Stable and accurate performance

Applications

- HVAC Systems
- Building automation
- Pharmaceutical manufacturing
- Chemical production
- Food processing
- Warehouse and storage facilities

Description

The SRTH100-2001E series is a duct mount integrated temperature and humidity sensor. This device offers accurate and stable air stream measurements, and is well suited for use in HVAC systems and other applications sensitive to fluctuations in temperature and humidity. With a IP67 rated enclosure, it is also suitable for use in harsh environments. The L-com SRTH100-2001E 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:	Temperature and Humidity Sensor
Mounting:	Duct
Electric Connector:	flying leads
Sensing Element:	On-board chip
Output Signal:	4-20mA
Cable Length:	1 m
Humidity:	0-100%

	Thread color	Leader Definition
Power supply	Red	Positive power supply (10~30V DC)
	Black	Negative power supply
Communication	Green	The temperature signal output is positive
	White	Temperature signal output negative
	Blue	Humidity signal output is positive
	Yellow	Humidity signal output negative

Description	Minimum	Typical	Maximum	Unit
Accuracy (Temperature)		T:±0.5°C (25°C) H:±3%RH (5%RH~95%RH)		
Temperature Range	-40		80	deg C

Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
Power Supply Voltage	10	24	30	VDC

Material Specifications

Description	Material
Cable Material	PVC

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Temperature and Humidity Sensor, duct mount, RS485 SRTH100-2001E-6501

Temperature and Humidity Sensor, duct mount, RS485

SRTH100-2001E-6501
Temperature and Humidity Sensor

Environmental Specifications

Temperature (Operating)	-20deg C to 60deg C
Temperature (Storage)	-40deg C to 80deg C
Ingress Protection	IP67

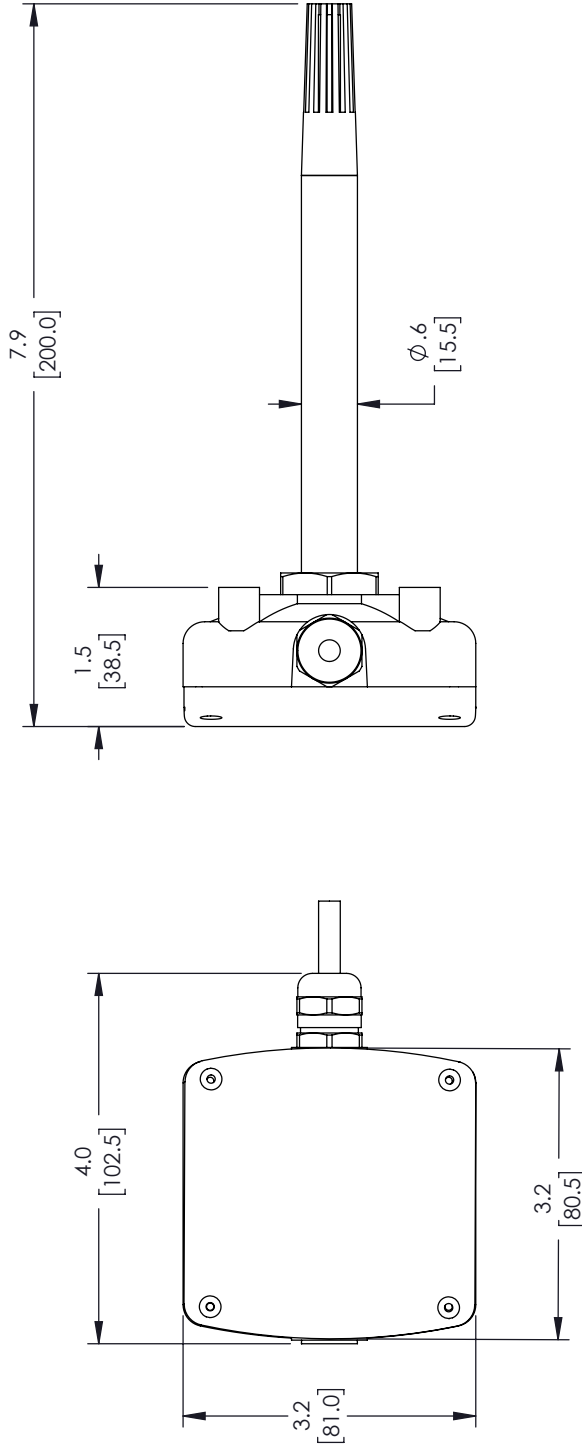### Certifications

ROHS Compliant

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.

SRTH100-2001E-6501 CAD Drawing
Temperature and Humidity Sensor, duct mount, RS485

7.9 [200.0]

Ø.6 [15.5]

1.5 [38.5]

4.0 [102.5]

3.2 [80.5]

3.2 [81.0]

THIRD-ANGLE PROJECTION

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SHEET 1	OF	1
SCALE	N/A	REV A

ITEM NO. SRTH100-2001E-6501

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

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

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

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.

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

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

T-Rev.D