

Temperature sensor, 0-100°C, 4-20mA, G1/4



## SRTH600-202-2101 Temperature Sensor

### Features

- Simple installation
- 316L Stainless steel housing
- Reverse polarity and overload protection
- Fast response
- High accuracy
- Long-term stability

### Applications

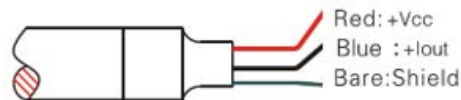
- Pipelines
- Ventilation systems
- Hydraulic and pneumatic systems
- Cooling and heating systems
- Water treatment
- HVAC systems
- Automation systems

### Description

The L-com SRTH600-202 series of temperature sensors feature a sensitive platinum resistance element, encapsulated in a 316L stainless steel probe. This laser welded, highly durable and corrosion resistant housing is compatible with both gas and liquids. These rugged sensors are well suited for use in factory automation, and other conditions where RFI & EMI may be of concern. The output changes linearly with temperature, and is long term stable to just 0.1% of full scale value. The L-com SRTH600 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:                 | Temperature Sensor |
| Mounting:                    | G1/4 fitting       |
| Electric Connector:          | flying leads       |
| Process Connection Gender:   | Male               |
| Reverse Polarity Protection: | Yes                |
| Sensing Element:             | PT100              |
| Output Signal:               | 4-20mA             |
| Cable Length:                | 1 m                |



| Description            | Minimum | Typical | Maximum | Unit    |
|------------------------|---------|---------|---------|---------|
| Accuracy (Temperature) |         | ±0.5    |         | %       |
| Long Term Stability    |         | ±0.1    |         | % FS/yr |
| Zero Drift             |         | 0.02    |         | %FS/C   |
| Temperature Range      | 0       |         | 100     | deg C   |
| Pressure Resistance    |         | 300     |         | bar     |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Temperature sensor, 0-100°C, 4-20mA, G1/4 SRTH600-202-2101](#)

Temperature sensor, 0-100°C, 4-20mA, G1/4



## SRTH600-202-2101 Temperature Sensor

### Electrical Specifications

| Description          | Minimum | Typical | Maximum | Unit |
|----------------------|---------|---------|---------|------|
| Power Supply Voltage | 9       | 24      | 30      | VDC  |

### Material Specifications

| Description    | Material             |
|----------------|----------------------|
| Casing         | Stainless Steel 316L |
| Probe Material | Stainless Steel 316L |
| Cable Material | PVC                  |

### Environmental Specifications

|                         |                      |
|-------------------------|----------------------|
| Temperature (Operating) | -40deg C to 85deg C  |
| Temperature (Storage)   | -40deg C to 125deg C |
| Impact                  | 100g, 11ms           |
| Ingress Protection      | IP65                 |

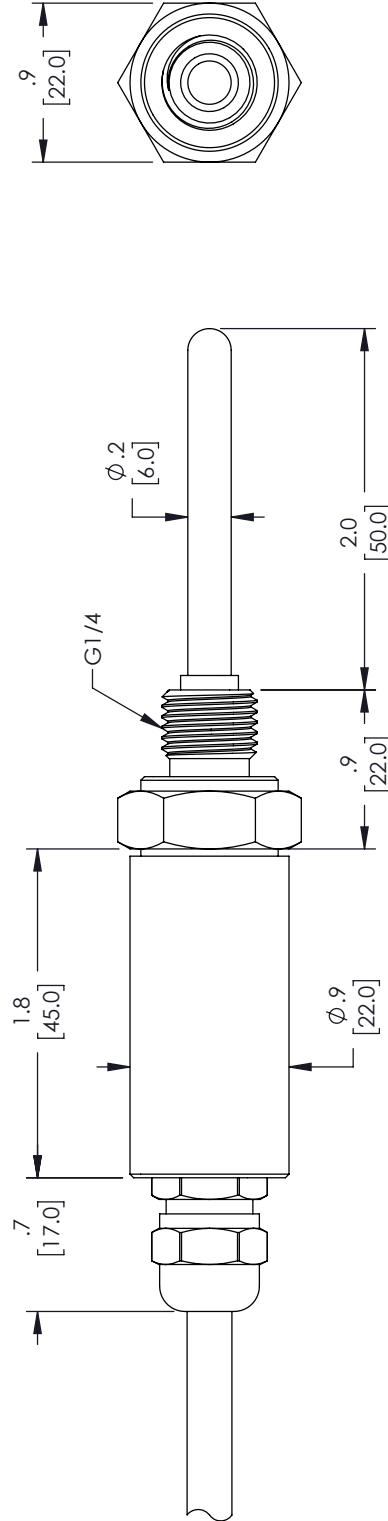
### Certifications

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.

| 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)

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| <b>L-com™</b><br><b>an INFINITE® brand</b><br>50 High Street, West Mill, 3rd Floor, Suite #30<br>North Andover, MA 01845 USA<br>Phone: 1.800.341.5266   1.978.682.6936<br>Fax: 1.978.689.9484<br>Website: www.L-com.com<br>E-mail: CustomerService@L-com.com                                                                                                                                                                                                                                    |                                            | THIRD-ANGLE PROJECTION<br>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.<br>SHEET 1 OF 1<br>SCALE N/A |  |
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE IN INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS<br>TOLERANCES:<br>X = ±.2 [5.08] FRACTIONS<br>XX = ±.02 [51] +.102<br>XXX = ±.005 [.13] ANGLES ±1°<br>CABLE LENGTH (L) TOLERANCES:<br>L ≤ 12 [305] = +1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +8 [152] / -0<br>300 [7620] < L = +5% L / -0<br>ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY. | SIZE A<br>CAGE CODE 43321<br>DRAWN BY DMAY | ITEM NO. SRTH600-202-2101<br>REV A                                                                                                                                    |  |