Compact Infrared Temperature Sensor, range 150°C, 4-20mA

SRTH600-405-2802
Compact Infrared Temperature Sensor

Features

- Simple installation
- Optimized lens
- 304 Stainless steel housing
- 32-bit CPU

- Fast response
- High accuracy
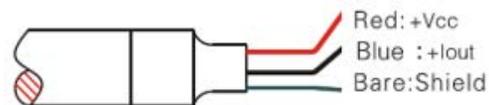- Long-term stability

Applications

- Power equipment
- Metallurgy
- Construction industry
- Chemical production

- Automation systems
- Petrochemical industry
- Textile industry
- Food processing

Description

The SRTH600-405 series of infrared temperature sensors feature a compact design allowing for fast, continuous temperature measurement in space constrained areas. The aluminum housing, high sensitivity and fast response time of these rugged sensors make them well suited for use in automation and other industrial applications where contactless temperature sensing is needed. The L-com SRTH600-405 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:	Infrared Temperature Sensing
Mounting:	Bracket, fastened by M18 locking nuts
Electric Connector:	flying leads
Sensing Element:	Infrared
Emissivity:	0.95
Optical Distance Ratio	20
Output Signal:	4-20mA
Cable Length:	3 m
Humidity:	10-90%
Repeatability:	±1% or ±1°C whichever is greater

Red: +Vcc
Blue : +Iout
Bare: Shield

Description	Minimum	Typical	Maximum	Unit
Accuracy (Temperature)		±2		%
Temperature Range	0		150	deg C
Spectral Range	8		14	um

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Compact Infrared Temperature Sensor, range 150°C, 4-20mA SRTH600-405-2802

Compact Infrared Temperature Sensor, range 150°C, 4-20mA

SRTH600-405-2802
Compact Infrared Temperature Sensor

Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
Power Supply Voltage	12	24	30	VDC
Response			300	msec

Material Specifications

Description	Material
Casing	Aluminum alloy
Cable Material	PVC

Environmental Specifications

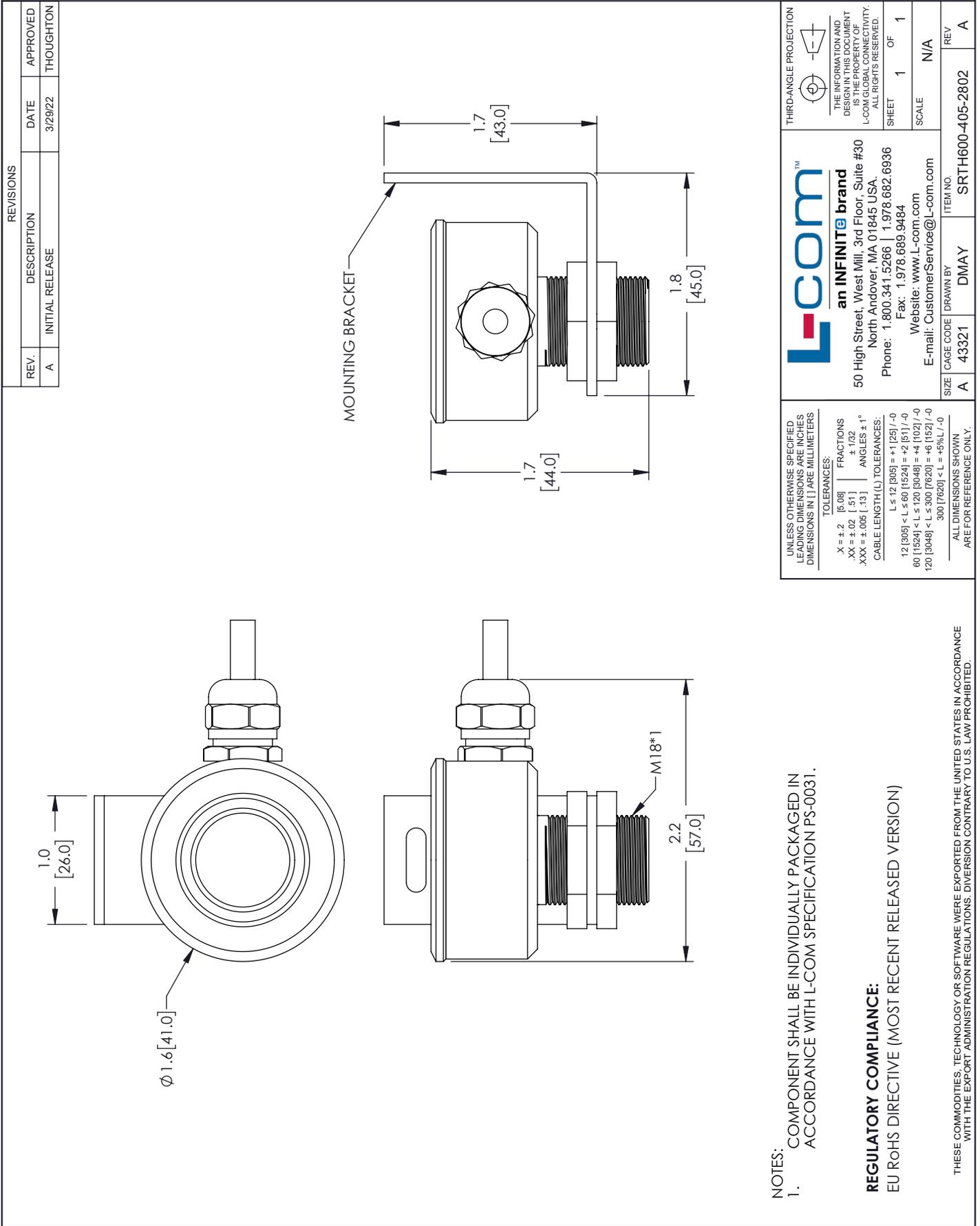|	
Temperature (Operating)	0deg C to 60deg C
Temperature (Storage)	-20deg C to 80deg C
Ingress Protection	IP65

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.

SRTH600-405-2802 CAD Drawing
Compact Infrared Temperature Sensor, range 150°C, 4-20mA

1.7 [43.0]

1.8 [45.0]

1.7 [44.0]

MOUNTING BRACKET

1.0 [26.0]

Ø1.6 [41.0]

M18*1

2.2 [57.0]

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

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

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

THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

REV A

L-com
an INFINITe brand
50 High Street, West Mill, 3rd Floor, Suite #30
North Andover, MA 01845 USA.
Phone: 1.800.341.5266 | 1.978.682.6936
Fax: 1.978.689.9484
Website: www.L-com.com
E-mail: CustomerService@L-com.com

ITEM NO. SRTH600-405-2802

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.

T-Rev.D