

IRN-RC-I

Infrared Temperature Sensor for CAN bus

SN: I#####

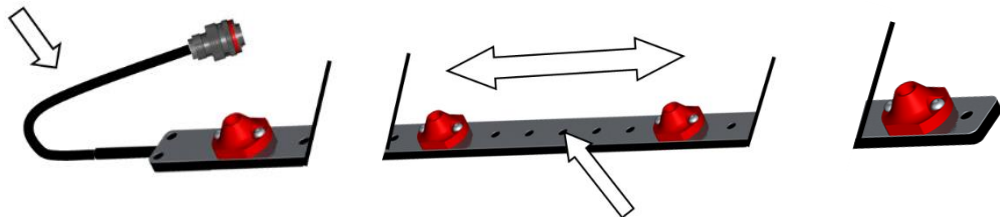
Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

| Measurement features | | |
|--------------------------------------|-------------------------------|-----|
| Range | -20 to +200 | °C |
| Measurement | 3 to 8 cells | |
| Accuracy | ±1 | %FS |
| Response time at FS | 100 | ms |
| Sampling frequency | 50 | Hz |
| Sensitive element | Thermopile | |
| Wave length | 5.5 to 14 | µm |
| Calibrator | Fluke 4181 | |
| Field of view (90% radiation)** | 45° (H2 type) or 90° (L type) | |
| Maximum master to last cell distance | 600 | mm |
| Minimum bending radius | 120 | mm |
| Mechanical features | | |
| Material | Aluminum, steel, rubber | |
| Dimensions | See drawings | |
| Environmental features | | |
| Protection | IP64 | |
| Operating Temp | -20 to +85 | °C |
| Storage Temp | -40 to +125 | °C |

** each cell

Connector to master
Cable length: mm

Minimum distance between
two sensors = 1 inch



Cell #1 nearest from master
Sensors and fixation holes
position step: ½ inch

Max. torque 0.1N.m with M3
Stainless steel blade is isolated from signal (10 Mohm 50Vdc)

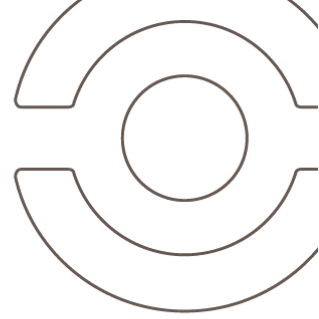
| | | | |
|----------------|-------------------|----------|--|
| Date | | Operator | |
| Customer | | | |
| Order | | | |
| Drawing number | | | |
| Ref | IRN-RC-200-#-##-I | | |

| Sensor readings | | |
|-------------------------|---------|-------|
| cell | 26°C | 180°C |
| 1 | ... | ... |
| 2 | ... | ... |
| 3 | ... | ... |
| 4 | ... | ... |
| 5 | ... | ... |
| 6 | ... | ... |
| 7 | ... | ... |
| 8 | ... | ... |
| Calibration distance*** |mm | |

*** User defined, between 25,4 (1") and 101,6mm (4") for H2 type

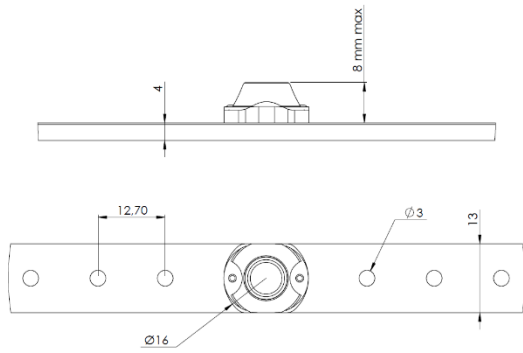
*** User defined, between 25,4 (1") and 50,8mm (4") for L2 type

| Cable | | |
|----------------------------|----------------------------------------------|------------------------------|
| Default 4x26AWG | Cable output: | |
| Connector : 8STA-02-05-P-N | <input checked="" type="checkbox"/> straight | <input type="checkbox"/> 90° |
| Color | Function | Pin |
| Red | | 1 |
| Black | | 2 |
| White | | 3 |
| Green | | 4 |
| Braid | | 5 |

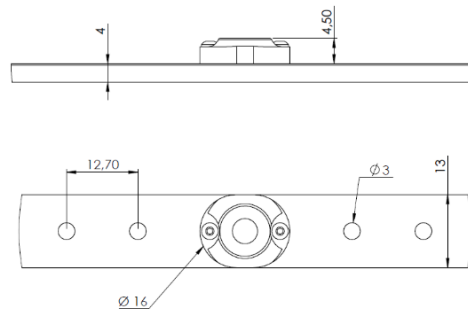


Mechanical drawing

H2 cells (45°FOV)



L2 cells (90°FOV)



Ordering information

Ordering ref:

IRN-RC-200-Type-Nb-Type-I

3: 3 heads

4: 4 heads

5: 5 heads

...

H2: H2 cells

L2: L2 cells