



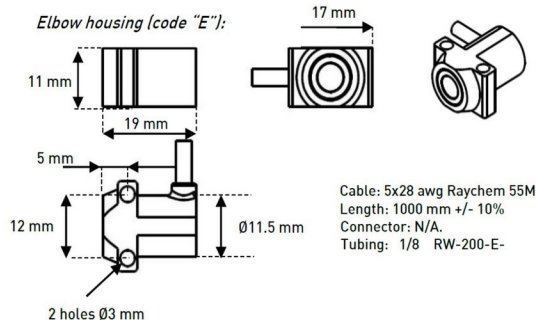
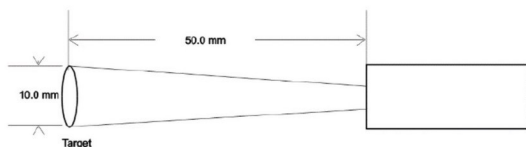
## INF-V4

### High ambient temp. IR temperature sensor

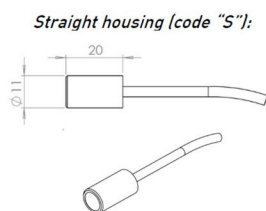
### Optional linearization and temperature compensation device

#### Sensor

|                      |                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------|
| Range                | 500 or 1000 or 1200 degC                                                                                          |
| Response time        | 50 ms                                                                                                             |
| Supply voltage       | 12V supply code: 6 to 16V<br>5V supply code: 5V                                                                   |
| Supply current       | 1.5mA                                                                                                             |
| Output voltage       | 0-5V                                                                                                              |
| Measurement distance | 20 to 100mm                                                                                                       |
| Material             | Aluminum                                                                                                          |
| Weight               | 5g                                                                                                                |
| Protection           | IP64                                                                                                              |
| Vibration test       | 20Gpp 5'                                                                                                          |
| Shock                | 500 G                                                                                                             |
| Operating temp.      | 12V supply code: -20 to +180 degC<br>5V supply code: -20 to +200 (1000 hours max above 180°C)<br>-40 to +150 degC |
| Storage temp.        |                                                                                                                   |



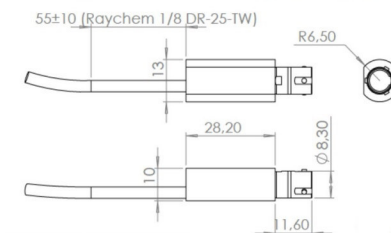
Cable: 5x28 awg Raychem 55M  
Length: 1000 mm +/- 10%  
Connector: N/A.  
Tubing: 1/8 RW-200-E



| Ordering ref:               |             |                  |
|-----------------------------|-------------|------------------|
| INF-Range-V4-Housing-Supply |             |                  |
| 500: 500°C                  | E: Elbow    |                  |
| 1000: 1000°C                | S: Straight |                  |
| 1200: 1200°C                |             |                  |
| 1300: 1300°C                |             |                  |
|                             |             | 5V: Regulated 5V |
|                             |             | 12V: 6 to 16V    |

#### Linearization device

|                       |                                    |
|-----------------------|------------------------------------|
| Range analog input    | 0 to 5V                            |
| Accuracy analog input | ±1.5 mV                            |
| Sampling freq.        | 500Hz                              |
| Range RTD measurement | 100Ω to 1MΩ                        |
| Accuracy              | ±1Ω (in the range 800 Ω to 2500 Ω) |
| RTD temp. calculation | PT 1000                            |
| Range                 | - 40 to +400°C                     |
| Analog output         | 0-5V: 0.5V at 25°C / 4.5V at FS    |



| Ordering ref:    |  |
|------------------|--|
| LTC-IR-Range[°C] |  |
| 500              |  |
| 1000             |  |
| 1200             |  |
| Ex: LTC-IR-1000  |  |

Contact us for common electrical characteristics