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# INF-CLT-700

## Clutch infrared temperature sensor 700°C

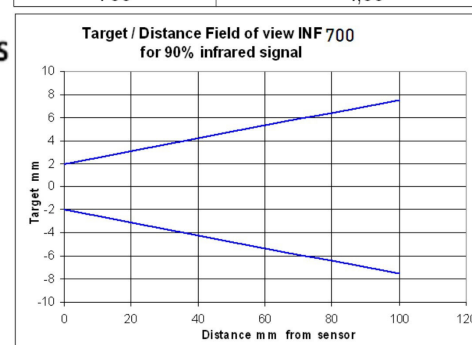
**Range** 700°C  
**Accuracy** 1% FS  
**Resolution at 700°C** 20 mV/°C  
**Response time** 50 ms

**Supply voltage** 5 to 16V  
**Supply current** 1.5 mA  
**Output Signal** 0 – 5 V

**Sensitive element** Thermopile with Silicium Lens  
**Measurement distance** 30 to 100 mm  
**Emissivity** 99%  
**Field of view (90% radiation)** 5 : 1 at 50mm  
**Wave length** 8 to 14  $\mu$ m

**Operating temp** -20 to +100°C  
**Storage temp** -40 to +125°C

| Calibration table |                |
|-------------------|----------------|
| ° C               | Volts / Carbon |
| 0                 | 0,00           |
| 100               | 0,06           |
| 200               | 0,23           |
| 300               | 0,54           |
| 350               | 0,77           |
| 400               | 1,07           |
| 450               | 1,44           |
| 500               | 1,89           |
| 550               | 2,44           |
| 600               | 3,10           |
| 650               | 3,88           |
| 700               | 4,80           |



1 m cable of 3X26AWG FEP  
 tinned copper braided cable 250V 200°C

**Red** 5 - 16V  
**White** Signal  
**Blue (or Black)** 0 V  
**Braid** Not connected

**Also available in this reference:**  
 - INF-CLT-500

[www.texense.com](http://www.texense.com)

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# INF-CLT-700

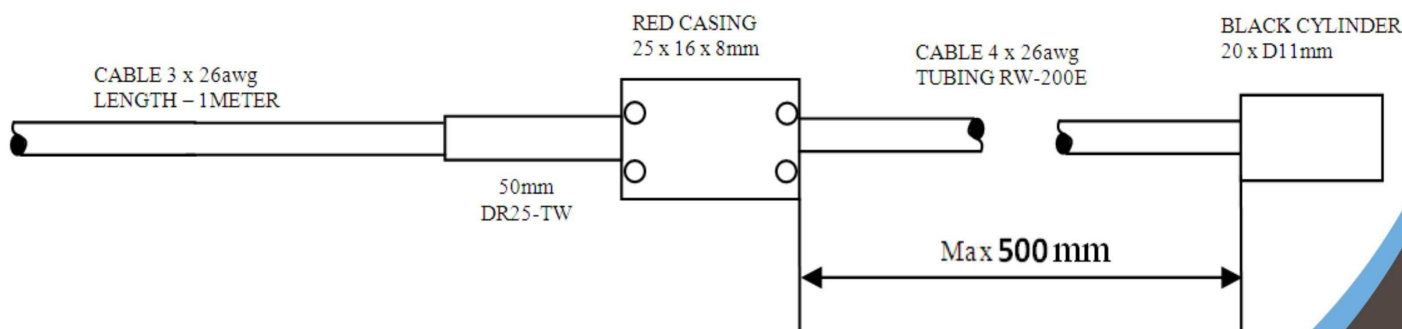
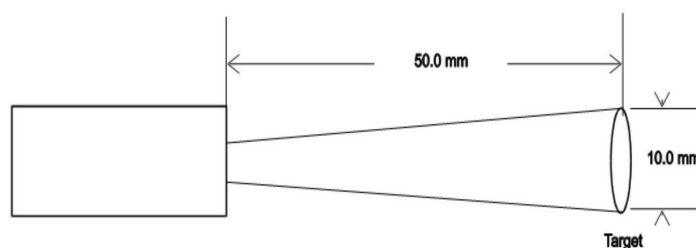
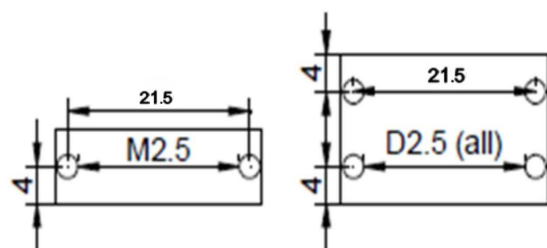
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### Material Dimensions

Aluminium  
11x1x length 20 mm

### Weight (without cable)

15 g



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