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INF-CLT-500

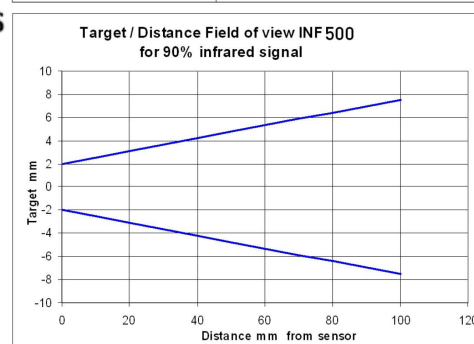
Clutch infrared temperature sensor 500 °C

Range 500°C
Accuracy 1% FS
Resolution at 500°C 25 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 µm
Operating temp -20 to +100°C
Storage temp -40 to +125°C

Calibration table	
° C	Volts / Carbon
0	0.00
50	0.05
100	0.16
150	0.34
200	0.59
250	0.93
300	1.38
350	1.97
400	2.72
450	3.65
500	4.80



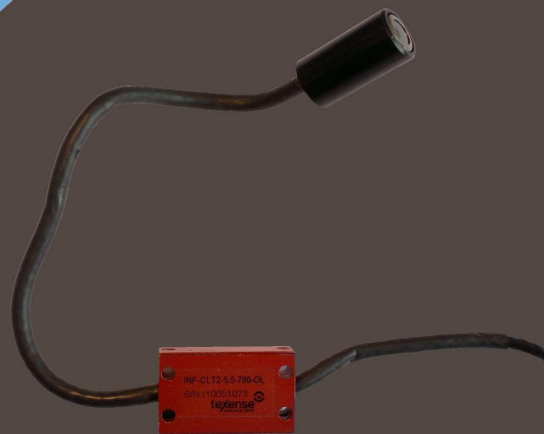
1 m cable of 3X26AWG FEP
 tinned copper braided cable 250V 200°C

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

Also available in this reference:
 - INF-CLT-700

www.texense.com

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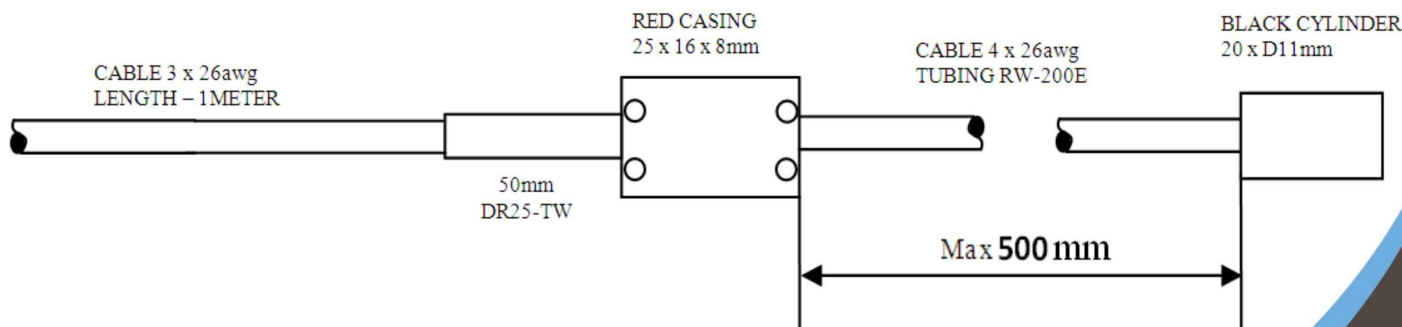
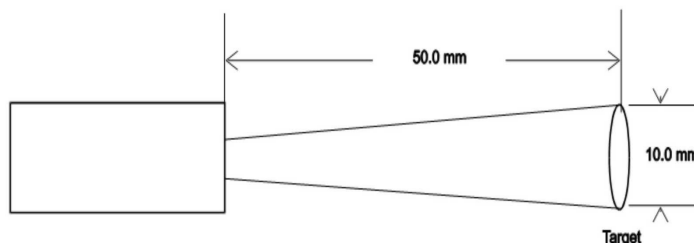
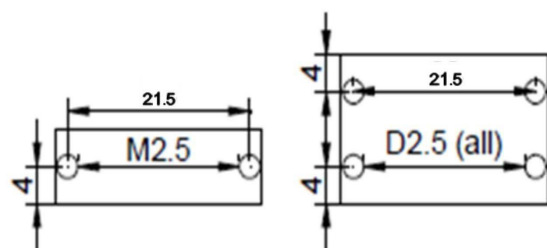
Clutch infrared temperature sensor 500 °C

Material Dimensions

Aluminium
11x1x length 20 mm

Weight (without cable)

15 g



In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document.

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