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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

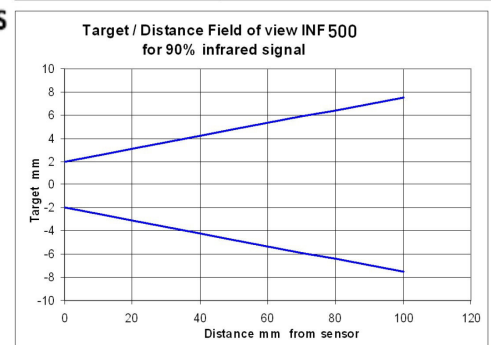
Supply voltage 5 to 16V
Supply current 1.5 mA
Output Signal 0 – 5 V

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

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

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



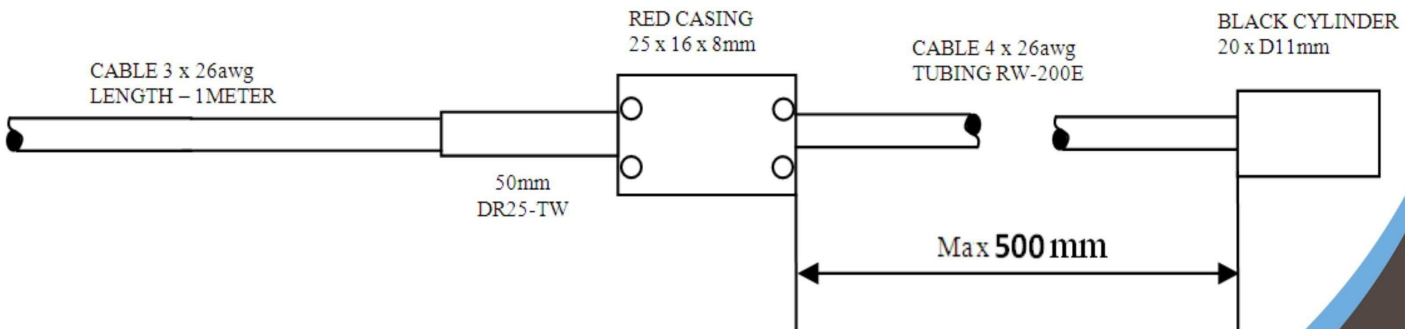
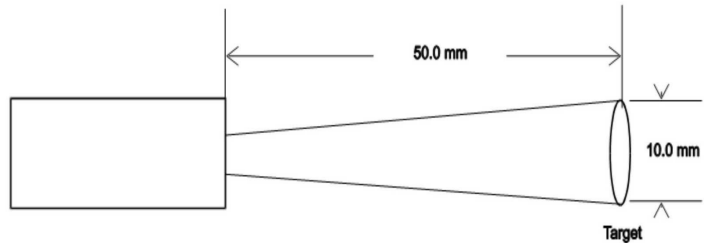
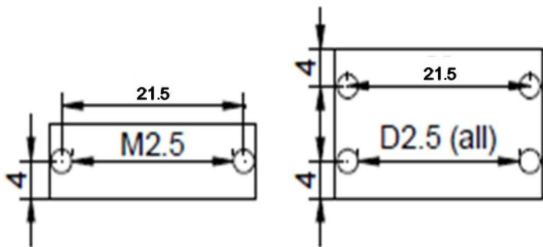
Also available in this reference:
 - INF-CLT-700



INF-CLT-500

Clutch infrared temperature sensor 500 °C

Material	Aluminium
Dimensions	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.

TEXYS INTERNATIONAL
 ZA des Chamonds
 Rue Edouard Branly
 58640 Varennes-Vauzelles
 (FRANCE)
 Tel. : +33 (0) 3 86 21 27 18
 Fax : +33 (0) 3 86 21 24 49