



INFT-150

INFRARED TEMPERATURE SENSOR 150°C

Ref :

SN:

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Calibration table	
° C	Volts
0	0.50
20	0.81
40	1.19
60	1.65
80	2.20
100	2.85
120	3.61
140	4.50

cable :

□ 3X26AWG FEP tinned copper braided cable 250V 200°C

□ EPD 117723A

Length : mm Tubing :

Connector :

Colour	Function	Pin
Red	5-16 V	
White or Yellow	Signal	
Black	0 V	
Braid (not for EPD 117723A)		

Sensor readings	
..... V at	°C
..... V at	°C

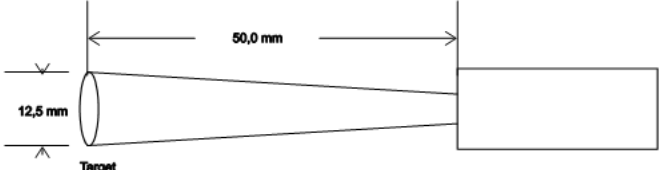
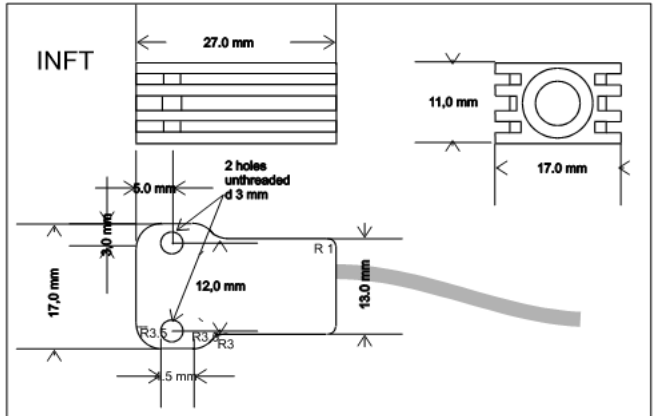
Range	150	°C
Accuracy	2	% FS
Ambient temperature error	2	°C
Resolution at 150°C	50	mV/°C
Response time	50	ms

Supply Voltage	5 to 16	V
Supply Current	1,5	mA
Output signal	0 - 5	V

Sensitive Element	Thermopile with Silicium Lens	
Wave Length	8 to 14	µm
Measurement distance	30 to 150	mm
Field of view (90% radiation)	4 : 1 at 50mm	
Calibrator	Land P550P	
Emissivity	99%	

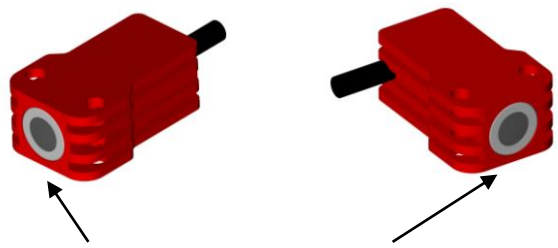
Dimensions "T" type	27x17x11	mm
Material	Aluminium	
Weight (without cable)	15	g
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G

Operating Temp	-20 to +100	°C
Storage Temp	-40 to +125	°C



Standard

Right Angle version



Warning: the metallic ring around the lens is connected inside the sensor. Avoid any electrical

