

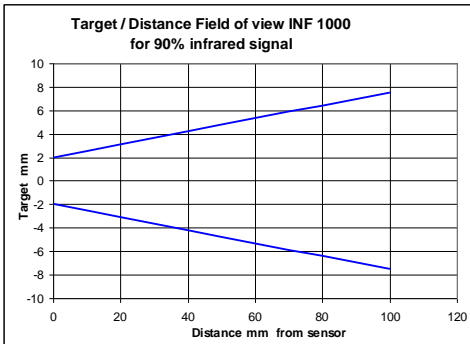
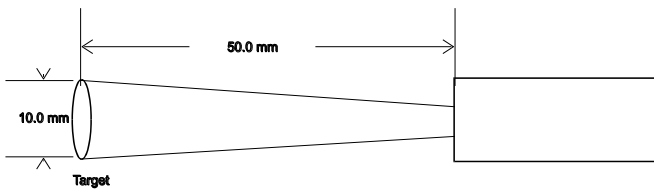
INFV-1000-V2

INFRARED TEMPERATURE SENSOR
1000°C S/N:

Texsys 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.

Range	1000	°C
Accuracy*	1% FS	
Resolution at 1000°C	15	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 100	mm
Field of view (90% radiation)	5 : 1 at 50mm	
Calibrator	Land R1200P	
Emissivity	99%	
Dimensions	M12 x 1 x length 32	mm
Material	Aluminium	
Weight (without cable)	15	g
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G
Operating Temp	-20 to +150	°C
Storage Temp	-40 to +150	°C

*for ambient temperature between 0°C and 100°C and for target > 300°C



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

Sensor readings	
_____ V at _____ °C	
_____ V at _____ °C	

Cable :

- 3X26AWG FEP tinned copper braided cable 250V 200°C
- 55M4434-28-0/2/4-9

Length : mm Tubing :

Connector :

Colour	Function	Pin
Red	5-16 V	
White or Yellow	Signal	
Black	0 V	
Braid		

Calibration table		
° C	Volts / Steel	Volts / Carbon
0	0.00	0.00
100	0.02	0.02
200	0.07	0.08
300	0.14	0.18
400	0.27	0.36
500	0.49	0.63
600	0.84	1.03
700	1.34	1.60
800	2.02	2.37
900	2.89	3.39
1000	4.01	4.71

