

# INFKL

## INFRARED TEMPERATURE SENSOR

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.

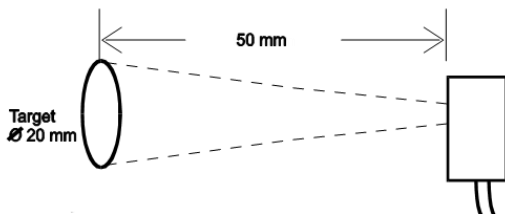
### Sensor readings

\_\_\_\_\_ V at \_\_\_\_\_ °C

\_\_\_\_\_ V at \_\_\_\_\_ °C

Range	150, 200, 800	°C
Accuracy	3	% FS
Ambient temperature error	2	°C
Sensitivity	30, 20, 5	mV/°C
Response time	100	ms
Supply Voltage	5	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	2.5 : 1	
Calibrator	Land P550P	
Emissivity	99%	
Housing	Aluminium	
Dimensions	20 x 16 x 12	mm
Weight (without cable)	15	g
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G
Operating Temp	0 to 40	°C
	0 to 60 for range 800	°C
Storage Temp	-40 to +125	

A damaged or dirty lens will reduce the output signal.  
Clean lens with pure alcohol only.



### Calibration table

°C	Volts		
	150	200	800
	30mV/°C	20mV/°C	5mV/°C
0	0,40	0,50	0,50
20	1,00	0,90	0,60
40	1,60	1,30	0,70
60	2,20	1,70	0,80
80	2,80	2,10	0,90
100	3,40	2,50	1,00
120	4,00	2,90	1,10
140	4,60	3,30	1,20
160		3,70	1,30
180		4,10	1,40
200		4,50	1,50
300			2,00
400			2,50
500			3,00
600			3,50
700			4,00
800			4,50

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

Length : \_\_\_\_\_ mm Tubing : \_\_\_\_\_

Connector : \_\_\_\_\_

Colour	Function	Pin
Red	5V	
White	Signal	
Black	0 V	
Braid		

