



IRN2-C

Linear analog temperature sensor with 4...20mA output

SN: I#####

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

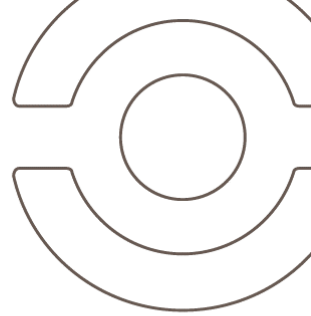
Measurement features			
Range	-30...+220	°C	
Accuracy	±2	% FS	
Ambient temperature error	±0,5	°C	
Sensitivity	64	µA/°C	
Response time (0-90%)	50	ms	
Sensitive Element	Thermopile with Silicon Lens (Si)		
Wave Length	8 to 14	µm	
Field of view (90% radiation)	4:1 @ 50 mm		
Calibrator	FLUKE 4181		
Emissivity (factory tuning)	95	%	
Electrical features			
Supply Voltage	22 to 26	V	
Output	4...20	mA	
Mechanical features			
Dimension	Aluminum version	M12 x 32	mm
	Stainless steel version	M12 x 34	mm
Weight (without cable)	15	g	
Environment			
Protection	IP65		
Vibration test	20Gpp5'		
Shock	500G		
Operating Temp	-20 to +120	°C	
Storage Temp	-25 to +125	°C	

Date		Operator	
Customer			
Order			
Product Ref	IRN2-C-220-#-#-#		
SW version	V#.#		

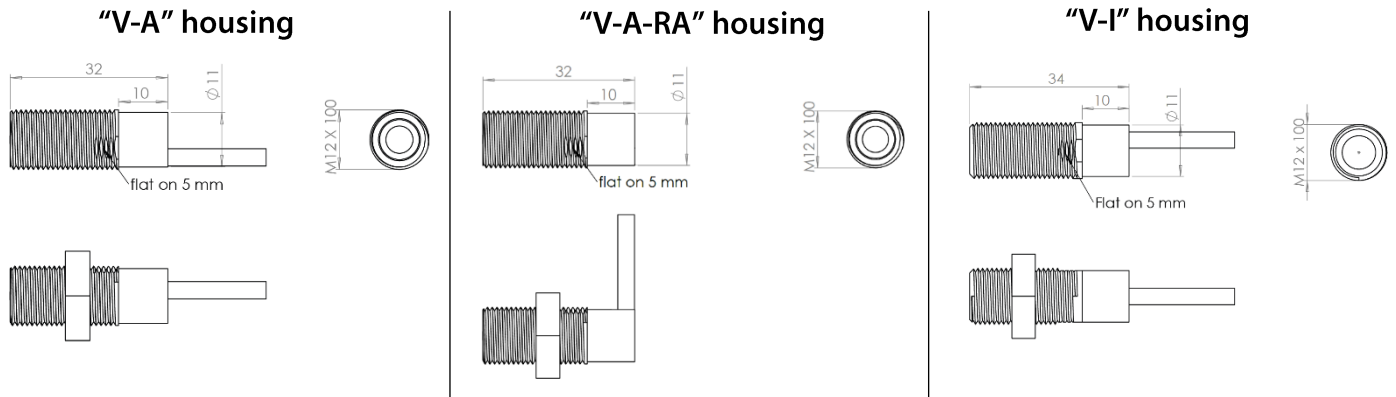
Sensor Readings	
Calibrator temperature	Signal output value
30°C	...mA
180°C	...mA
Calibration distance	...mm

Cable		
3x26 AWG FEP tinned copper braided cable 250V 200°C		
Length: 1000mm		Tubing: 50mm
Connector: on request		
Color	Function	Pin
Red	Supply +	
Black	Supply -	
White	Do not connect and isolate	
Braid		

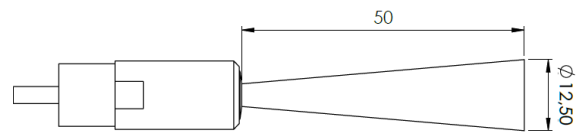
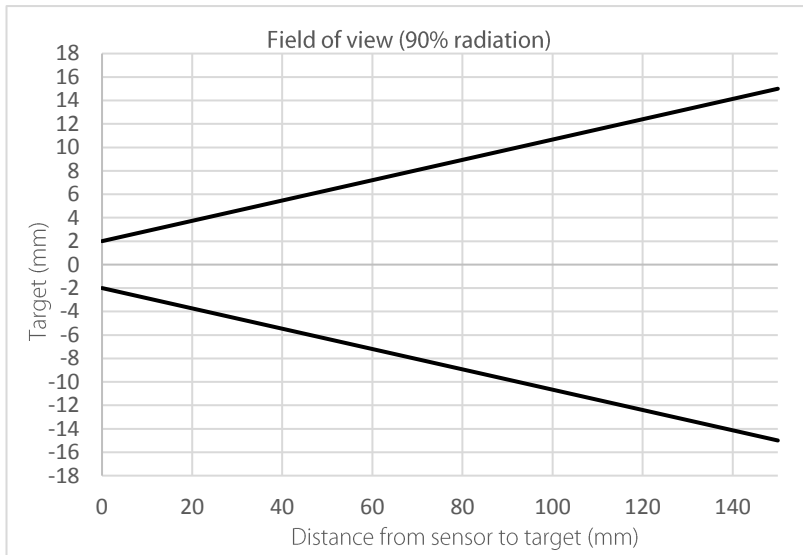




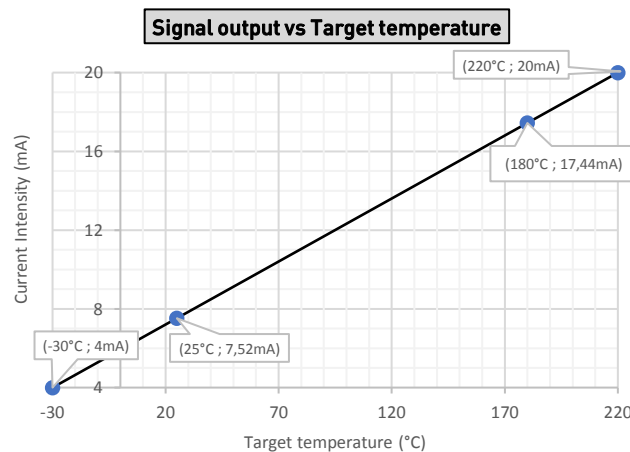
Mechanical drawing

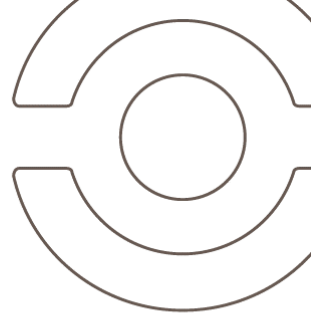


FOV (field of view)

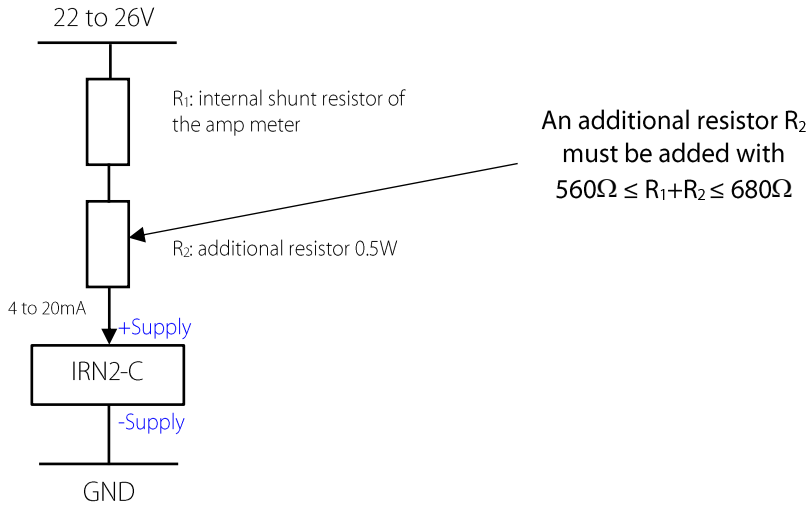


Calibration table





Recommended wiring



Ordering information

Ordering ref:

IRN2-C - *Range* - *Housing*

220: -30°C...+220°C

V-A: Aluminum housing

V-A-RA: Aluminum housing with right angle output

V-I: Stainless steel housing

ex: IRN2-C-220-V-A