

INFVL-200	
Linear	
Infrared temperature sensor - 200°C	
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.

Range	0 to 200	°C
Accuracy	2	% FS
Ambient temperature error	2	°C
Sensitivity	20	mV/°C
Response time (0-90%)	250	ms
Signal	0.5 at 0°C	V
Supply Voltage	5 to 16	V
Supply Current	1.5	mA
Output Voltage	0 to 5	V
Output Impedance	47	Ω
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 @ 50 mm	
Calibrator	Land P550P	
Emissivity	>99	%
Dimension	M12 x 1 x length 32	mm
Material	Aluminium	
Weight (without cable)	15	g
Protection	IP65	
Vibration test	20Gpp5'	
Shock	500G	
Operating Temp	0 to +80	°C
Storage Temp	-25 to +125	°C

Sensor Readings	
V @ ____ °C	V @ ____ °C

Cable: 3x26AWG FEP tinned copper braided cable 250V 200°C
 Length : _____ mm Tubing: _____
 Connector : _____

Colour	Function	Pin
Red	Supply	
White	Output Signal	
Black	GND (0V)	
Braid		

Calibration table	
°C	200°C 20mV/°C
0	0.5 V
50	1.5 V
100	2.5 V
150	3.5 V
200	4.5 V

