

INFT-MC-1000-V2	
INFRARED TEMPERATURE SENSOR	
1000°C	S/N:

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	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	
Field of view (90% radiation)		
	5 : 1 at 50mm	
Calibrator		
	Land R1200P	
Emissivity		
	99%	
Dimensions		
	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

Sensor readings	
V at ____ °C	V at ____ °C

Connector : 8 STA 1 02 35 PN

Pin	Function
1	5-16 V
2	Signal
3	0 V

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

