



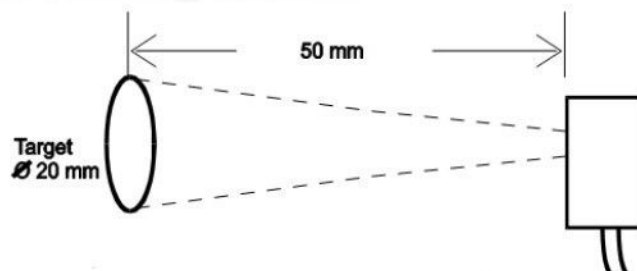
Kit INFKL Brake Disk Infrared Temperature Sensor

Range 150, 200
Supply 5 Volts
Output 0 V to 5 V
Sensitivity Signal 5 mV/°C
 0.5 V at 0°C
 4.5 V at 800°C
Accuracy 3 % FS
Response Time 100 ms
Supply Current 1.5 mA

IR Wave Length 8 to 14 μm
Emissivity 99 %
Calibrator Land P550P
Protection IP64
Vibration Test 20 Gpp 5'
Shocks 500 G
Operating Temperature 0 to 40 °C (0 to 60 °C for range 800)
Storage Temperature -40 to +125 °C

Housing Aluminium
Dimensions 20 x 16 x 12 mm
Weight 15 g

Measurement Distance 30 to 150 mm
Field of View 2.5 : 1



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

Colour	Function	Pin
Red	5V	
White	Signal	
Black	0 V	

