



INFRARED TEMPERATURE SENSORS

Aluminium housing

Dimensions : Threaded type M12 x 100 x 32mm length + 2 nuts
Or Block 27 x 17 x 11 mm

Examples :

Range	200°C	150°C	1000°C
Supply	5 to 16 Volts	5 to 16 Volts	5 to 16 Volts
Output	0.5 to 4.5 Volts	0.5 to 5 Volts	0 to 5 Volts
Sensitivity	20mV / °C	Non linear	Non linear
Signal	0.5 V @ 0°C	See graph «Tyres»	See graph «Brakes»
Error	+/- 2%	+/- 1%	+/- 1%
Min Measurable Temp	Ambient - 40°C	Ambient - 40°C	Ambient

Max Ambient temperature for sensor : 120°C

Measurement distance : 30 to 70 mm Field of view : 15°

Spot size : ø15mm dia at 60 mm distance (see drawing below)

Connection : 1 metre of 3 x AWG 26 PTFE shielded cable (other length or wires on request)

Cable shield connected to case

Std connections Red : Supply (5 to 16 Volts) **White :** Output signal **Blue :** GND (0 Volt)

