



## INFRARED TEMPERATURE SENSORS

Aluminium housing

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

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

