

IR Temperature Sensor For MatManager™

The IR Temperature Sensor is a temperature input sensor for the MatManager™ system.

An infrared temperature sensor works by measuring the amount of infrared radiation emitted from the surface of the material the sensor is focused on. The sensor is mounted at the auger where the material is moving during paving and therefore the surface has approximately the same temperature as the rest of the material.

The sensor provides a contact free measurement of the surface temperature. The precision optics concentrate the radiated heat which enables an accurate temperature measurement over a wide distance range.

The sensor can be mounted with a magnetic mounting, permitting easy installation.

The unit is specifically designed to withstand the tough working conditions of the construction industry.



IR Temperature Sensor

IR Temperature Sensor Specifications

Part number	S-10098
Application	Senses material temperature at the screed
Power Supply	5 – 30 VDC
Power Consumption	Max 100 mA
Dimensions (Ø, L)	Ø12mm, 35mm / Ø0.5in 1.4in
Weight	155g / 0.34lbs
House	Massive stainless steel with integrated CF lens
Storage Temperature	-40°C to +85°C / -40°F to 185°F
Operating Temperature	-20°C to +120°C / -4°F to 248°F
Sensor Type	8-14µm infrared sensor
Maximum Deviation	+/- 1%
Sensor Range	-50°C to +1030°C / -58 to +1886°F
Cable Length	9m / 29.5ft

IR Sensor Mounting, magnetic Specifications

Part number	SP-10115
Application	Mounting IR Temperature Sensor
Material	Stainless steel
Dimensions (LxWxH)	13.5x6x15cm / 5.3x2.4x6in
Weight	420g / 0.9lbs



IR Temperature Sensor Mounting, magnetic