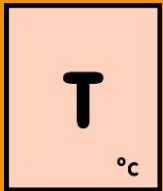




FluoMini Optical T-sensor



The Sendot optical temperature sensor, is based on the principle of fluorescence quenching. The temperature sensitive coating is made from a very resilient pigment and can be embedded in different polymers (PDMS, Polystyrene etc.). The sensor can be configured with a fiber optic probe holding the coating or with a fiber optic probe which can be used to read a coating attached to a surface. It can also be configured with a lens to read coatings separated several centimeters from the sensor. The temperature range is dependent on the configuration. The T-pigment can be embedded in a temperature resilient polymer and read from a distance giving the maximum range.

The Sendot optical temperature sensor

Specifications:

Measuring range Temperature	-10 to 70°C or -10 to 125°C
Accuracy Temperature	0.1°C or 0.5°C
Resolution Temperature	0.1°C
Response time (T90)	30 seconds
Sample time	1s
Calibration	1 point

Coating life time >1 year @ 25°C
(excluding effects of chemical incompatibility)

Output:	Serial/USB
Software:	Windows/Android
Power Supply:	5VDC (100mA)

Adres

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