

TEN

Automotive Equipment

TEMP1000

Automotive Temperature Sensor



The TEMP1000 is a non-contact infrared temperature sensor for professional automotive applications. The sensor calculates the surface temperature based on the emitted infrared energy of the object to be measured. Specially developed for the automotive environment, the TEMP1000 saves valuable time during periodic inspections and other emission test applications where vehicles engine temperature recording is obligatory. The TEMP1000 can be used in conjunction with TEN gas analysers and smoke meters.

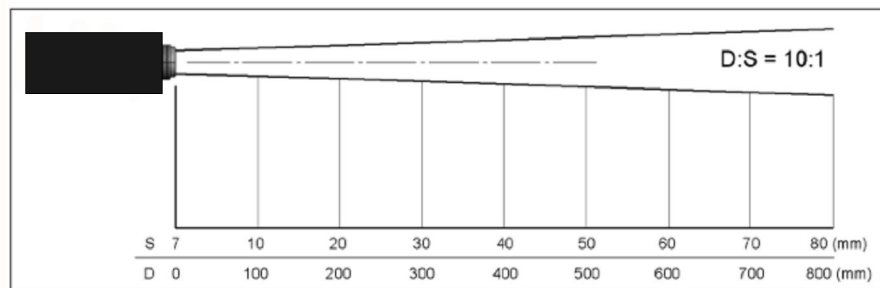
The sensor measures quick and accurate and displays a resolution of one degree Celsius. The integrated peak hold function saves the recorded maximum temperature during a test. By pressing the push button the peak hold function resets and the TEMP1000 switches over to actual temperature reading.

The stainless steel optical sensor (IP65), distance – spot ratio of 10:1 and pre-programmed emissivity of 0,8 for engines, make the TEMP1000 one of the most reliable automotive temperature sensors!

TECHNOLOGY WITH THE FUTURE IN MIND

Technical specifications

Environmental rating:	IP65 (NEMA-4)
Ambient temperature:	-20...75 °C
Relative humidity:	10...95 %, non condensing
Material optical sensor:	stainless steel
Material housing:	black ABS
Temperature range:	0 – 250 °C (factory programmable up to 350 °C)
Spectral range:	8...14 μ m
Distance – spot ratio:	10:1
Emissivity:	0.8 (factory pre-programmed for engines)
Power supply:	12 Vdc (10 mA)
Output signal:	0-10 Vdc



Optical chart (10:1)