Sefram

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http://www.sefram.fr

SEFRAM 9830

Thermal camera

Capabilities

- Temperature range -30°C to +650°C
- Adjustable emissivity
- Infrared sensor with 128 x 128 dots
- Accuracy: ±1,5%
- Laser pointer
- 1,77 inches backlighted LCD
- Torch with LED and UV LED
- Image storage on micro SD card
- Micro USB interface for connecting a computer
- Compact size
- Esay-to-use

NEW

A general purpose tool

SEFRAM Thermal camera 9830 is a multipurpose diagnostic tool. The infrared image allows you to detect the hottest zone and thus to target the measurement. It offers diverse applications:

- Enables the electrician to detect hot spots in electric boards (wiring, circuit breakers, fuses, contactors, ...)
- Enables the heating engineer to find in walls pipes, to check the proper functioning of heating systems
- Useful for preventive maintenance: heating levels, mechanical overheating, rotating parts
- Useful for energy savings: hot and cold zones detection, thermal bridge.

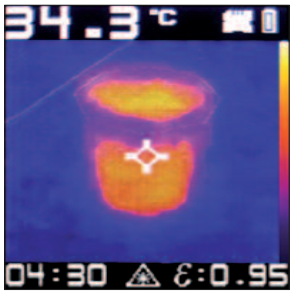
Easy-to-use

The SEFRAM 9830 is easy to use: To perform a measurement or a control, turn on the camera and point at the target (with the laser pointer and the screen). The information are displayed real time.
Wants to save an image? Simply pull the trigger and use your image when you need to.

Robust

SEFRAM 9830 Thermal camera is designed with robust and durable materials. The sensitive areas (thermal censor) are protected by a mechanical shutter.
2 optional accessories are available to transport your SEFRAM 9830 safely:

- soft case (P/N: 998301000)
- rigid suitcase (P/N: 998302000)



A detailed picture, easy to understand.


Hot parts can be detected easily

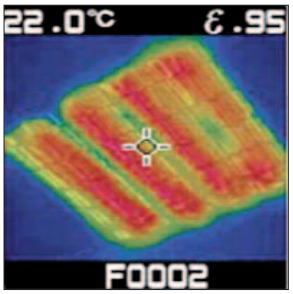


Image can be stored and used in back-offce for a report


Hot parts detection in automotive

CE

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SEFRAM 9830

Thermal camera

Technical specifications	SEFRAM 9830
Temperature range	-30°C à +650°C
Accuracy (measured on geometric target at room temperature 23 °C ± 2 °C)	≥ 0 ° C: ± 1,5 ° C or ± 1,5% of reading, the greater value is used (≥ 32 ° F: ± 3 ° F or ± 1,5% reading) from -10°C to 0°C: ±2°C and for t <-10°C: ±3°C
Response time (95%)	<125ms (for 95% of the final value)
Spectral response	8 to 14 microns
Emissivity	Adjustable from 0.10 to 1.00 (factory set: 0,95)
Temperature coefficient	±0.1°C/°C or ±0.1%/°C of measured value (the greater value is used)
Display resolution	0.1°C
Repeatability (% of reading)	±8% of reading or ±1.0°C (2°F), the greater value is used
Infrared detector	IR-EX™ Technology (CMOS sensor)
Resolution	16,384 pixels (128 x 128 pixels)
Field of view (HxV)	30° x 30°
Maximum temperature	650°C
Sensor sensitivity	150mK
Color palette	3 (grey scale, hot iron, rainbow)
Display	colored LCD TFT, 1,77" with 128 (H) x 160 (V) dots
Image file type	Bitmap (BMP). Image is recorded with temperature and emissivity
Memory	Micro-SD card, up to 32GB
Power supply	3 x 1,5V batteries AA or LR06 (alkaline recommended)
Autonomy	12 hours with laser pointer and display
Dimensions	183 x 103 x 59 mm
Operating temperature	0 °C to 50°C
Storage temperature	-20°C to 60°C, without batteries
Operating altitude	2000 meters maximum
Storage altitude	12,000 m
Shock	1.2 m
Vibration & shock test	According to IEC 60068-2-6 2.5g, 10 to 200Hz, IEC 60068-2-27, 50g, 11ms
CEM	According to EN61326-1:2006 EN61326-2:2006
Weight	300g
Warranty	1 year

Soft carrying pouch (option)

Rigid transport case (option)

Supplied with: batteries, manual (CD-ROM),micro SD card (2GB)
Optionnal accessories: - soft carrying pouch: P/N 998301000
- rigid transport case: P/N 998302000

CE

FT 9830 A00 - Specifications can be updated without notice

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For assistance and ordering

afaq ISO 9001 Qualité AFNOR CERTIFICATION 1997/7001

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