C.A 1879

TRACK YOUR ENERGY LOSSES INSTANTLY!

DiaCAm
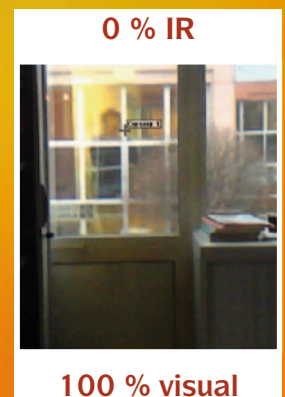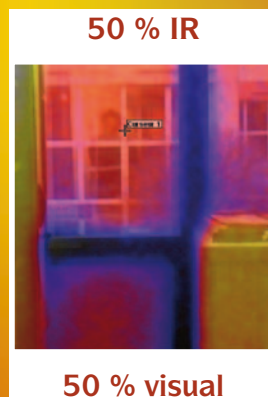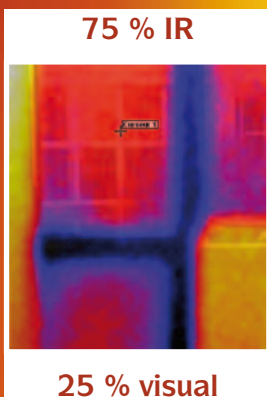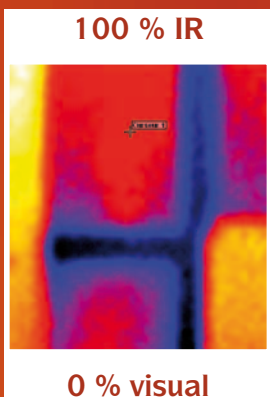**Thermal camera**

Large LCD screen

IP 54

Removable handle

- **Overlaying of real and infrared images with the Merge function**
- **Visual and audible alarms**
- **Automatic detection of Max / Min temperature spots**
- **Storage on SD card**
- **Voice annotation**

Choose the merge ratio of the real/infrared images to suit your needs:

100 % IR	75 % IR	50 % IR	25 % IR	0 % IR
0 % visual	**25 % visual**	**50 % visual**	**75 % visual**	**100 % visual**

DiaCAm report: from infrared analysis to automatic report creation!

The DiaCAm report software offers two operating modes:
- **Image analysis mode**
  Retouching of the image (parameter correction, comments, etc.)
  Analysis of the infrared image (addition of measurement tools)
  Export into Excel (recovery of the points in a table)
- **Report creation mode**
  Production of a comprehensive report including a cover page for customizing the inspection, a table of contents to list the operations, image analysis pages with comments, inspection summary. The report is generated automatically!
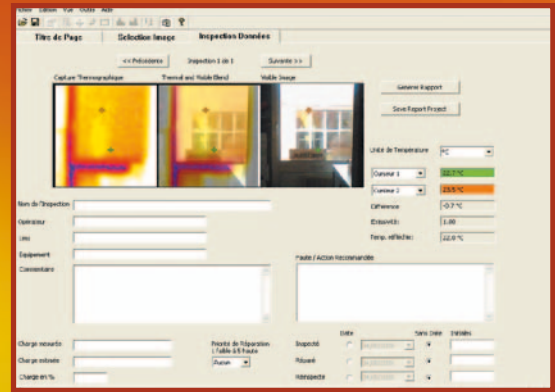
Detector Specifications

Frame resolution / frequency	47 x 47 / 8 Hz

Performance

NETD at 30 °C	0.3 °C
Field of view	20° x 20°
Min focusing distance	0.5 m

Image

Screen	Multi-palette 3.5'' colour LCD
Image function	Real / IR / mixed image Merge function (25 %, 50 % or 75 %)

Measurement / Analysis

Temperature range	-10 °C to +350 °C
Accuracy	+2 °C or +2 %
Cursor	2 movable cursors
Temperature search	Automatic search for the hottest or coldest temperature in the whole image
Isotherm	Single-colour display of a parameterizable temperature interval
Alarm	Audible and visual indication of Max. or Min. value overrun
Temperature profile	Temperature trend according to X and Y axis

Measurement / Analysis

Adjustment	The level and scale can be adjusted automatically or manually
Correction	Emissivity adjustable from 0.1 to 1 with reference table included; reflected temperature
Annotation	Text and voice comments on the camera

Software

DiaCAm report	Infrared image analysis Generation and printing of analysis reports

Laser

Wavelength	1 mW, 635 nm (red), Class II

Systems

Configuration	Time, date, units, languages
Power supply	Lithium-ion battery
Battery life	Approximately 6 hours
Storage	1000 images on SD card

Other specifications

Operating / storage temperature	-5 °C to +45 °C -20 °C to +60 °C
Relative humidity	10 to 90 % (IP54)
Interface	USB
Dimensions	130 x 95 x 90 mm
Weight	< 700 g

To order:
DiaCAm C.A 1879 .... P01651250

The cameras are delivered in a case with 1 handle, 1 mains adapter for charging, 1 USB cable, 1 operating manual, software on CD-ROM, quick start-up guideon paper.

ACCESSORIES and SPARES
USB cable .... Contact us.
In-vehicle adapter HX0061

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