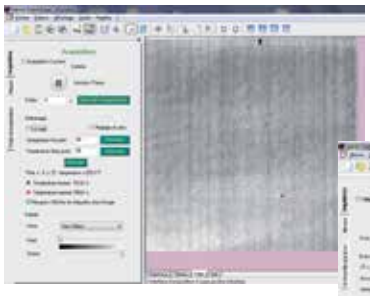
ovio INSTRUMENTS

Distributed by JEULIN

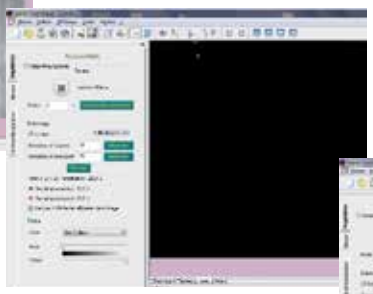
THERMAL IMAGER FOR EDUCATION

✓A real educational tool

Understand how an infrared picture is built from the raw picture to the colored final picture

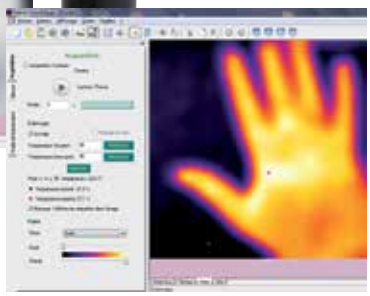


① *Row picture from the micro bolometers matrix / Non-uniform pattern sensors response*
➪ ***Incorrected sensor response***



② *Dark image after non uniformity correction from a black body surface*
➪ ***Homogeneous sensor response***

③ *Sensor's calibration in temperature: two surfaces with two different temperatures make a temperature calibrated image*
➪ ***Black and white picture***



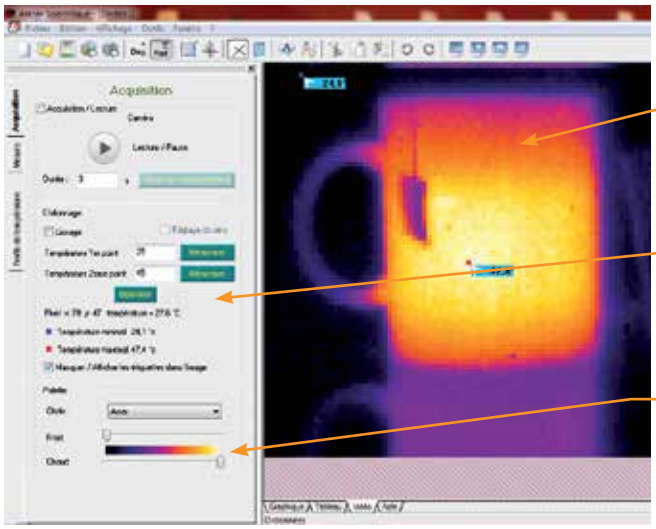
④ *Adjustement of the color settings and the mini-maxi range*
➪ ***Thermal color image***

✓More than a classic thermal imager

	Thermal imager for Education 	Classic thermal imager 
Thermal image capture	✓	✓
Image calibration from raw picture to colored final picture	✓	✗
Advanced real time software analysis	✓	✗

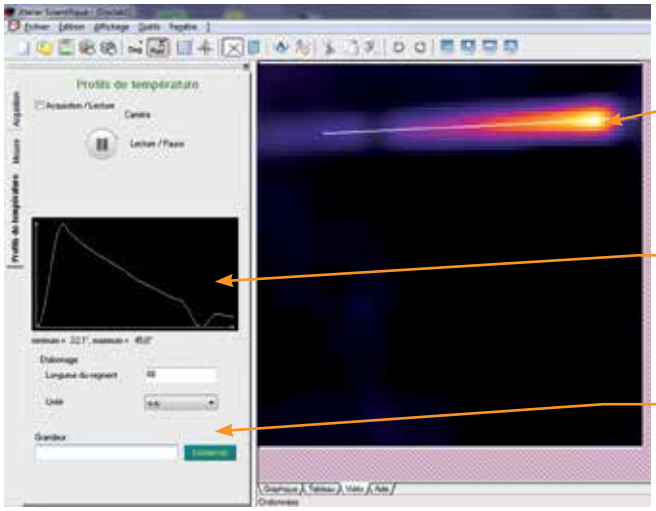
✓A dedicated software with specific tools

Pointer tool: point-by-point measurement by pointer or color gradient



- *Automatic pointing of minimum and maximum detected temperature*
- *Possibility to take a measurement on any pixel*
- *Pixel smoothing for better image*
- *Displaying / masking of the measurement points*
- *Wide range of colors*
- *Color gradient and mini-maxi range set up*

Outline and kinetics tool: spatial temperature gradient and/or temperature versus time measurement



- *Measurement line plotting*
- *Display of the temperature line profile analysis in real time*
- *Distance calibration*
- *Data recording and saving*

Get and process data easily

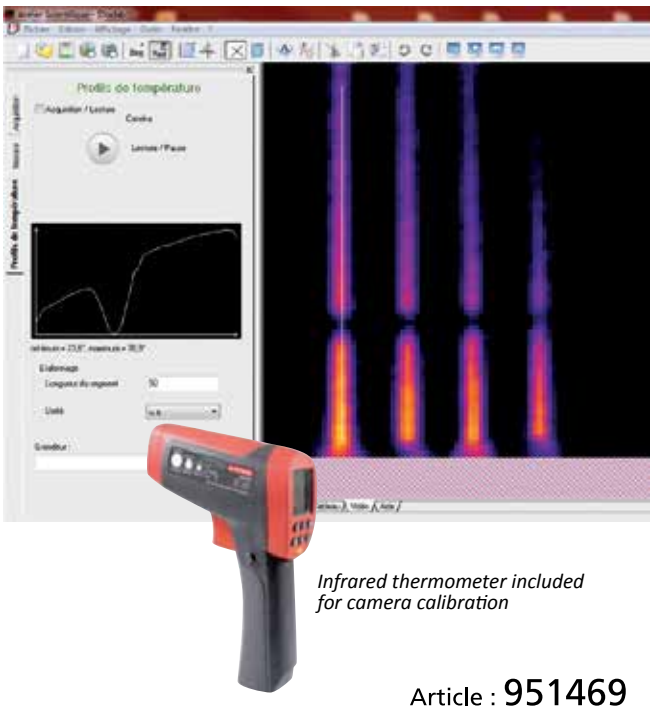
> **Measurements** point by point or by color gradient

> **Outline** of the **spatial** temperature gradient in real time

> **Kinetic monitoring** of the temperature at several points over time

> **Video** recording and processing

> Data available in real time **(spreadsheet or graph)**



Infrared thermometer included for camera calibration

Technical specifications

Dimensions	120 x 60 x 60 mm, 500 g, metal housing
Resolution	80 x 80 pixels
Interface	USB 2.0 - cable provided
Software	Embedded software, launched automatically when connected to a computer Compatible with Windows 2000/XP/Vista/ Seven/8, 32 and 64 bits

Thermal imager for education

Ref. 253 125

Article : 951469

91951469 10000001

Ref. BR201410camera

JEULIN Sharing the experience

468, rue Jacques-Monod, CS 21900, 27019 Evreux cedex, France
International - Tel. +33 2 32 29 40 23 - Fax +33 2 32 29 43 24
www.jeulin.com - export@jeulin.com
SAS with a capital of €1,000,000 - Community VAT FR47 344 652 490 - Siren 344 652 490 RCS Evreux