

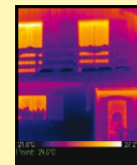
# TCA 1950 THERMAL CAMERA



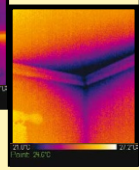
The TCA 1950 is a handy Thermal Imager that makes it very simple to perform thermal inspections for energy audit and ensures trouble-free industrial, electrical or mechanical maintenance.

## Key Features

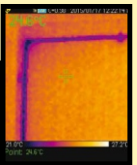
- Just 3 seconds to start
- -20°C to + 250°C
- 80 X 80 Sensor
- 13 hours battery life
- Voice messages can be stored with images
- Rugged – 2m fall resistance
- CAMReport Software for PC download & analysis



Insulation



Thermal Bridge



Leak Proofing

## Exceptional ergonomics for simplified use

**Wide 2.8-inch screen**  
More comfortable viewing thanks to automatic (or manual) adaptation of display brightness to suit your environment



**Contextual help**  
for simple, error-free use

**Direct access** to the functions with just one hand

**Specially designed** for excellent handling and simplified use



**Balance guaranteed:** thanks to the tripod insert located under the camera or positioned on a table, the camera does not move.

**Protective flap:** comfortable to use, no losses, no scratches

**20° X 20° Field of view** with focus-free imaging. The image is automatically in focus whatever the distance to the object targeted

**Recovery** of the necessary measurements (current, etc.) via **Bluetooth** simultaneously

### Even more user-friendly and simple to use thanks to:

- the exceptional 13-hour battery life
- an emissivity table which can be added to as required
- the possibility of renaming images and thermograms by site
- recording and storage of the configurations according to the application (building, electrical cabinet, etc.)

## TECHNICAL SPECIFICATIONS

DETECTOR SPECIFICATIONS	
Detector	80 x 80
Type	UFPA microbolometer, 8 ~ 14 μm
Frequency	9 Hz
Sensitivity (N.E.T.D)	80 mK @ 30°C (0.08 °C @ 30 °C)
TEMPERATURE MEASUREMENT	
Temperature range	-20 °C to +250 °C
Accuracy	±2 °C or ±2 % of reading
THERMAL IMAGE PERFORMANCE	
Field of view	20° x 20°
IFOV (spatial resolution)	4.4 mrad
Focus	Fixed
Minimum focal distance	40 cm
Real image	Yes (320 x 240 pixels)
Display mode	Thermal image, real image with automatic parallax compensation. Merging of both images possible with PC software
FUNCTIONS FOR ANALYSIS	
Measurement tools	1 manual cursor + 1 automatic detection + Min-Max on adjustable area + temperature profile + Isotherm
Parameter settings	Emissivity, environmental temperature, distance, relative humidity
Vocal comments	Yes via Bluetooth (earphones provided)
Connectivity	F407 and F607 clamps
Data storage	On 2 GB micro SD card (approx. 4,000 images) removable up to 32 GB
Removable, up to 32 GB	.bmp (thermal and real images recorded simultaneously)
PRESENTATION OF IMAGE	
Adjustment	Automatic or manual adjustment of palette min-max
Freezing of image	Animated or fixed image
Image display	Multi-palette
Screen	2.8 inches
POWER SUPPLY	
Type	NiMH rechargeable batteries with low self-discharge
Recharging	External (charger provided)
ENVIRONMENTAL SPECIFICATIONS	
Operating temperature	-15 °C to +50 °C (-4 °F to +122 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity	10 % to 95 %
Standards	EN 61326-1: 2006 / EN 61010-1 Ed.2
Fall resistance	2 metres on all surfaces
Shock resistance	25G
Vibration resistance	2G
PHYSICAL SPECIFICATIONS	
Weight / Dimensions	700 g with rechargeable batteries / 225 x 125 x 83
Ingress protection	IP 54
Interfaces	- USB link and Mass Storage function: the product is then recognized as a USB drive for easy transfer of the images - Bluetooth for connectivity with earphones (vocal comments) and measuring instruments (F407, F607)
Tripod mounting	Yes with ¼" insert on the camera
GENERAL SPECIFICATIONS	
Report creation software	Supplied as standard with automatic report generation in .pdf or .docx (Word) format / Compatible with W7 and W8, 32 and 64 Bits

### Standard kit includes:

TCA 1950: delivered in hard case with 4 NiMH batteries and battery charger, 1 micro SD HD card, 1 USB cable, 1 set of Bluetooth earphones, CAM Report software on CD ROM, operating manuals

**atandra**  
measure. protect. conserve

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