

**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

**IMAGE PERFORMANCE**

Thermal image	
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, MTX 3292 and MTX 3293 multimeters
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	25 G
Vibration resistance	2 G

**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 Chauvin Arnoux® Metrix® measuring instruments (F407, F607, MTX 3292, MTX 3293)
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
Warranty	2 years