APPENDIX III - Technical specifications

Description	Characteristics	Chauvin Arnoux 1950
IR detector	Type	UFPA microbolometer
	Spectral range	8~14 µm
	Resolution	80x80
IR imaging performance	NETD	80 mK at 30°C
	Frequency	9Hz
	Objective	20°x 20°
	IFOV (spatial resolution)	4.4 mrad
	Min. focal distance	0.4m
Focusing	Adjustment	Fixed focus
Visual image	Built-in digital video	240x240
	Illuminator	no
	Min. focal distance	0.05m
Presentation of the images	Images displayed	Infrared image, real image
	Video output	no
	LCD screen	2.8"
	Display of the images	Pseudo -colours, multiple palettes
Functions	Freezing of image	Moving or frozen image
	Storage of files	Micro SD and SD HC card, 2GB
Measurement	Temperature range	-20°C to 250°C
	Accuracy	±2°C o r ±2%
Analysis functions	Analysis tools	point cursor area cursor temperature profile, min max, and isothermal
	Temperature alarm	no
	Adjustment	Automatic or manual adjustment of the min. max. palette
	Correction	Emissivity, Distance, Ambient temperature, Relative humidity
	Display of isotherms	Display in colour of a temperature range adjustable by the user
	Vocal remarks	Yes, BT headset provided
Software	Analysis software	Report writing software
Laser pointer	Type	no
Battery system	Type	Ni-MH, low self -discharge
	Life	13h30 typical 11h min.
Conformity	Electromagnetic compatibility	EN 61326 -1
	Safety	EN61010 -1-Ed. 02
Environmental specification	Temperature range, operation	-15°C to 50°C (-4°F to 122°F)
	Temperature range, storage	-40°C to 70°C (-40°F to 158°F)
	Humidity	10% to 95%
	Drop resistance	2m on all sides
	Impact resistance	25G
	Vibration resistance	2G
	Protection	IP 54
Physical characteristics	Mass	700g with batteries
	Dimensions	225 x 125 x 83 mm