

2026

 CHAUVIN
ARNOUX

Climatic and environmental measuring instruments



About the CHAUVIN ARNOUX GROUP



Chauvin Arnoux Test & Measurement: French expertise serving energy efficiency and climatic comforte

A family group with more than a century of history

As a reference on the international stage, the Chauvin Arnoux® brand offers a complete range of portable measuring instruments, acknowledged for their reliability, performance and durability.

Measurement, our expertise for over 130 years

Recognized for its expertise in electrical measurement, the brand has enriched its know-how by developing a complementary range of climatic and environmental measuring instruments.

Total mastery of the production chain

Our measuring instruments, most of which are designed and manufactured in France, combine reliability, durability and innovation. Thanks to mastery of production on our own sites, we can guarantee you professional quality, tailored to the requirements of professionals.



A FEW FIGURES

130 years of sustainability	10 subsidiaries worldwide
100 million euros in sales	
1 000 employees	
6 design offices worldwide	8 production sites
11% of sales invested in R&D	3 in Normandy 1 in Lyon 1 in Montpellier 1 in Milan (Italy) 1 in Dover (USA) 1 in Shanghai (China)

Follow our news
and join us on social networks!



www.chauvin-arnoux.com

Visit
our website



CONTENTS

Temperature and process signal calibrators.....	4
Thermal camera & CAmReport AI software.....	5-6
Infrared thermometers and probe thermometers.....	7-8
Temperature sensors (TC K & Pt100).....	9-10
Thermo-hygrometers.....	11
Light meter.....	12
Air quality measurement.....	13
Thermo-anemometer.....	14
Sound level meters.....	15
Pressure gauge.....	16
Tachometers and Laser Distance Meter.....	17
Data exploitation software and application.....	18-19

Temperature & process signal calibrators



CA 1621

Ref.: P01654621

Temperature calibrator for thermocouple probes capable of measuring and simulating up to 8 types of thermocouple as well as a voltage in mV.

STATE AT DELIVERY

Delivered with a soft case, 2 thermocouple adapters, 6 x AAA 1.5 V batteries and a user's manual in 5 languages



CA 1623

Ref.: P01654623

Temperature calibrator for resistive probes capable of measuring and simulating up to 7 types of resistive probes as well as a resistance.

STATE AT DELIVERY

Supplied with a soft case, a pair of test cables, a pair of crocodile clips, 6 x AAA 1.5 V batteries and a user's manual in 5 languages



CA 1631

Ref.: P01654402

Process signal calibrator used to measure or provide a current loop between 0 and 24 mA and a DC voltage between 0 and 20 V.

STATE AT DELIVERY

Supplied with a soft case, a pair of test cables, a pair of crocodile clips, a pair of test probes, 6 x AAA 1.5 V batteries and a user's manual in 5 languages

Input/output range		Resolution		Accuracy
-10 mV ... 100 mV		0.01 mV		± 0.025 % + 2 counts
Function	Range	Resolution	Accuracy	Reference junction error
Type J	-200 ... +1200 °C	0.1 °C	± (0.3 °C + 10 µV)	± 0.3 °C
Type K	-200 ... +1370 °C	0.1 °C	± (0.3 °C + 10 µV)	± 0.3 °C
Type T	-200 ... +400 °C	0.1 °C	± (0.3 °C + 10 µV)	± 0.3 °C
Type E	-200 ... +950 °C	0.1 °C	± (0.3 °C + 10 µV)	± 0.3 °C
Type R	-20 ... +1750 °C	1 °C	± (1 °C + 10 µV)	± 0.3 °C
Type S	-20 ... +1750 °C	1 °C	± (1 °C + 10 µV)	± 0.3 °C
Type B	+600 ... +1800 °C	1 °C	± (1 °C + 10 µV)	± 0.3 °C
Type N	-250 ... +1300 °C	0.1 °C	± (0.3 °C + 10 µV)	± 0.3 °C

Accuracy in °C					
Mode	Range	4-wire input	2 / 3-wire input	Output	Admissible excitation in mA
Pt10 385	-200 ... +800 °C				0.1 ... 3.0
Pt50 385	-200 ... +800 °C	0.7	1.0	0.7	0.1 ... 3.0
Pt100 385	-200 ... +800 °C	0.33	0.5	0.33	0.1 ... 3.0
Pt200 385	-200 ... +250 °C	0.2	0.3	0.2	0.1 ... 3.0
	+250 ... +630 °C	0.8	1.6	0.8	
Pt500 385	-200 ... +500 °C	0.3	0.6	0.3	0.06 ... 3.0
	+500 ... +630 °C	0.4	0.9	0.4	
Pt1000 385	-200 ... +100 °C	0.2	0.4	0.2	0.1 ... 3.0
	+100 ... +630 °C	0.2	0.5	0.2	
Pt100 JIS	+200 ... +630 °C	0.2	0.3	0.3	0.1 ... 3.0

Range	Resolution	Accuracy ± (% of reading + counts)
100 mV	0.01 mV	0.02 % + 3
20 V	0.001 V	0.02 % + 3
Input impedance: 2 MΩ (rated value), < 100 pF		
Protection against overvoltages: 30 V - Current delivered at 20 V: 1 mA		
Range	Resolution	Accuracy ± (% of reading + counts)
24 mA	0.001 mA	0.015 % + 3
Protection against overloads: 125 mA / 250 V quick-response fuse		
Display as percentage: 0 % = 4 mA, 100 % = 20 mA		
Source mode: 1,000 Ω load at 20 mA for a battery voltage ≥ 6.8 V, (700 Ω at 20 mA for a battery voltage between 5.8 and 6.8 V)		
Simulation mode: external loop voltage condition: 24 V (rated value), 30 V maximum, 12 V minimum.		
Loop voltage power supply: 24 V ± 10 %		

ACCESSORIES / REPLACEMENT PARTS

Mains power supply	P01103057
MultiFix bag 120 x 245 x 60 mm	P01298075
Set of 2 red/black crocodile clamps	P01295457Z



Set of 2 red/black moulded PVC cables	P01295451Z
Set of 2 x Ø 4 mm moulded test probes	P01295458Z

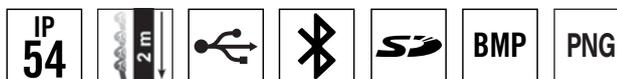
Thermal cameras

CA 1954

Réf. : P01651904



	CA 1954
Detector	120 x 160
Sensitivity (N.E.T.D)	80 mK @ 30 °C (0.08 °C to 30 °C)
Refresh rate	9 Hz
Temperature range	-20 °C to +250 °C
Accuracy	±2 °C or ±2% of reading
Field of view	28° x 38°
I FOV (spatial resolution)	4.1 mrad
Focus	Fixed
Real image	Yes
Measurement tools	Automatic detection of Min, Max over adjustable area 1 manual cursor + 1 automatic detection + Min Max on adjustable area + Temperature profile + Isotherm + alarms (CA 1954)
Parameter settings	Emissivity, environmental temperature, distance, relative humidity
Voice comments	Yes via Bluetooth (headset supplied)
Connectivity	F407 & F607 clamps, MTX 3292 & MTX 3293, environmental measurement products
Data storage	(CA 1821, CA 1822, CA 1823, CA 1246, CA 1227, etc.)
Battery life	9 hours (typical)
Ingress protection	IP 54
Fall resistance	2-metre drop
Weight / dimensions	700 g with rechargeable batteries / 225 x 125 x 83



STATE AT DELIVERY

Cameras delivered in site-proof case with 4 NiMH batteries and 1 battery charger, 1 micro SD HD card, 1 USB cable, 1 Bluetooth earpiece, CAmReport software on CD-ROM, user's manuals and a measurement report



CAMReport AI software

NEW

CAMReport AI

The new generation of thermographic analysis software incorporating artificial intelligence

CAMReport AI is establishing itself as one of the first thermographic analysis software programs to incorporate artificial intelligence, designed to support field experts in their decisions with reliability and efficiency.

Thanks to the artificial intelligence developed by Chauvin Arnoux, the software automatically analyzes your thermal images and generates clear observations and relevant recommendations with a single click. Simple, fast, and powerful, CAMReport AI puts AI at the service of your decisions to optimize your diagnostics and enhance the quality of your reports.

- Available for download on our website
- Compatible with CA 1950 and CA 1954 cameras



KEY FEATURES

- **Time savings:** analyses, observations, and recommendations automatically generated in a professional manner
- **Increased efficiency and accuracy:** reinforce your analyses with AI specifically trained to identify thermal defects
- **Chauvin Arnoux AI relevant to all fields,** including electrical, mechanical, construction, photovoltaic, climate engineering, processes, etc.
- **Automatic generation of reports** that can be exported to Word or PDF format

Reinvent your thermal inspections with expert assistance technology that speeds up analysis, makes diagnostics more reliable, and professionalizes your reports.

TO ORDER

CAMReport AI intelligent software | Starter Pack.....P01102217
CAMReport AI intelligent software | Pro Pack.....P01102218

Choose the **Starter Pack** to benefit from 1,000 ready-to-use AI analyses, or opt for the **Pro Pack** and enjoy an extended volume of 4,000 analyses to fully exploit the power of AI.

IR thermometers & contact thermometers



CA 1860

Réf. : P01651815

CA 1862

Réf. : P01651816

CA 1864

Réf. : P01651813

CA 1866

Réf. : P01651814

	CA 1860	CA 1862	CA 1864	CA 1866
Field of view	10/1	12/1	30/1	50/1
Emissivity	Fixed : 0,95	Adjustable from 0.1 to 1.0	Fixed : 0,95	
Measurement range	- 35 °C to + 450 °C (- 31 °F to + 842 °F)	- 35 °C à + 650 °C (- 31 °F à + 1202 °F)	- 50 °C + 1000 °C	
Resolution	0.1 °C (0.1 °F)		0.1 °C	
Accuracy*	± 1.8°C or ± 1.8% of the reading (take the higher value)		± 2 % ± 2 °C	
Functions	Instantaneous mode, MAX, Min, average value (AVG), differential (DIF), continuous measurement by locking the measurement trigger, alarms		Min, Max, Moy, Hold, Alarmes, Diff	
Laser sight	Yes	Yes	Yes	
Dimensions / weight	189 mm x 118 mm x 55 mm / 292 g		230 mm x 100 mm x 56 mm / 290 g	

* Depending on temperature range. See user's manual for further details.

STATE AT DELIVERY

Products delivered with batteries, user's manual and carrying bag



CA 876

Réf. : P01651403Z

Combined infrared and wired thermometer

	CA 876	
	IR measurement	Thermocouple sensor input
Field of view	10/1	-
Emissivity	0.1 to 1	-
Measurement range	-20 °C to +550 °C	-40 °C to +1350 °C
Resolution	± 2 % R or ± 3 °C	± 0.1 % R +1 °C
Accuracy*	Max, Min, Avg, HOLD, Alarms	
Dimensions / weight	173 x 60.5 x 38 mm / 255 g	

STATE AT DELIVERY

Product delivered with battery, user's manual and protective sheath



TK2002

Réf. : P01653110

	TK 2000	TK 2002
No. of inputs	1	2
Temperature sensor	Includes 1 flexible K-type thermocouple wire probe for measurements from -40°C to +200°C	Includes 2 flexible K-type thermocouple probes for measurements from -40°C to +200°C
Range	- 50 °C to +1000 °C	
Accuracy	± 1.5 % + 0.5 °C	
Functions	HOLD, °C	
Dimensions	163 x 63 x 37.5 mm	
Weight	200 g	

STATE AT DELIVERY

Product delivered with battery, 1 or 2 K wire thermocouple sensors depending on model, User's Manual and protective sheath

ACCESSORIES / REPLACEMENT PARTS

SKF1 wire sensor (1 metre / -50 to 350 °C)..... P03652930



TK2000

Réf. : P01653100

IR & contact thermometers

CA 1821

Ref.: P01654821

CA 1822

Ref.: P01654822

CA 1823

Ref.: P01654823



Universal wired probe
SKF1 - Ref.: P03652930



CA Environmental
Loggers

	CA 1821	CA 1822	CA 1823
Sensor	J, K, T, N, E, R or S thermocouple		Pt100, Pt1000
No. of inputs	1	2	1
Range	-250 °C to 1767 °C		-100 °C to 400 °C
Resolution	θ < 1,000 °C: 0.1 °C and θ ≥ 1,000 °C: 1 °C		0.1 °C
Accuracy	± (0.1 % R + 0.6 °C)	± (0.4 % R + 0.3 °C)	± (0.4 % R + 0.3 °C)
Functions	Min., Max., HOLD, Alarms		
Recording	Manual start and stop on the product Programmed recording		
Alarms	Visual alert if a threshold is overrun configurable via Data Logger Transfer Possibility of triggering recording on alarm threshold		
Battery life	1,000 hrs (portable mode) / 3 years for recording (measurement interval: 15 minutes)		
Ingress protection	IP54 casing		
Mounting	Casing equipped with a magnet, a wall-mount system and a slot for suspending the product. Compatible with the Multifix accessory.		
Connections	CA 1821 and 1822: miniature female compensated CA 1823: 3-point flat connector		
Dimensions/weight	150 x 72 x 32 mm / 260 g with batteries		



STATE AT DELIVERY

Products delivered with carrying bag, batteries, 1 USB cable, measurement report and quick start-up guide (Complete Data Logger Transfer user's manual and software available from the Chauvin Arnoux website)



ACCESSORIES / REPLACEMENT PARTS

Handle for CK extension	P03652912	Carrying bag	P01298075
Connector for K thermocouple	P03652925	Metal case	P01298071
Shockproof sheath + Multifix	P01654252	Dataview software	P01102095
Multifix	P01102100Z	BLE / USB Bluetooth modem for PC	P01654253
Mains adapter	P01651023	4 x NiMH AA/LR6 batteries + Charger	HX0053

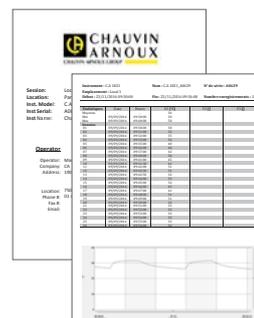
Data Logger Transfer, the software for analysing your data



Bluetooth®



Configuration of the instruments connected
Programming of recordings and alarms
Capture and display of the data in real time



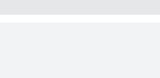
Automatic report creation

Exportable in
Word format
This makes it
easier to print and
archive them.



Temperature probes

K thermocouple sensors

Model	Model	Description	Type / Application	Meas. range	Tolerance class	Response time at 63%	Plunger diameter	Plunger length	Ref.
	 SKF1	K-type thermocouple probe with exposed hot junction. Do not use in liquids (non-waterproof tip).	Wired probe	-50°C to 350°C	Cl.2	1 s	1,2 mm	1 m	P03652930
	 SK20	Sheathed sensor as per NF EN 61615. Hot junction insulated from the earth. Inconel 600 protective sheath.	Flexible general-purpose sensor	-40 °C to 450 °C	Cl. 1	1 s	1,5 mm	1 m	P01655010
	 SK6	All-purpose sensor recommended for measuring points that are difficult to access. Do not use in liquids (non-waterproof tip)	Flexible sensor	-50 °C to 285 °C	Cl. 2	1 s by contact	1 mm	1 m	P03652906
	 SK2	Stainless steel sheathed sensor, can be bent as required Radius of curvature > 4 mm	Bendable general-purpose sensor	-50 °C to 1000 °C	Cl. 2	3 s in ambient environment	2 mm	1 m	P03652902
	 SK3	Stainless steel sheathed sensor, slightly bendable	Semi-rigid general-purpose sensor	-50 °C to 1000 °C	Cl. 2	2 s	4 mm	50 cm	P03652903
	 SK13	Stainless steel sheathed sensor	General-purpose sensor	-50 °C to 1100 °C	Cl. 2	6 s	3 mm	30 cm	P03652918
	 SK7	In a 'calm' environment without air movement, shake the sensor to promote heat exchange	Air sensor for measuring ambient conditions	-50 °C to 250 °C	Cl. 2	12 s	5 mm	15 cm	P03652907
	 SK17	In a 'calm' environment without air movement, shake the sensor to promote heat exchange	Air sensor for measuring ambient conditions	-50 °C to 600 °C	Cl. 2	5 s	6 mm	13 cm	P03652921
	 SK1	Stainless steel sheathed sensor for penetration (min. 20 mm) in pasty, viscous or liquid media	Needle sensor for penetration	-50 °C to 800 °C	Cl. 2	1 s	3 mm	15 cm	P03652901
	 SK11	Stainless steel sheathed sensor for penetration (min. 20 mm) in pasty, viscous or liquid media	Needle sensor for penetration	50 °C to 600 °C	Cl. 2	12 s	3 mm	13 cm	P03652917
	 SK4	Sheathed sensor with stainless steel sensing element and Teflon base. For small flat surfaces. The use of silicone grease improves the quality of the contact	Surface sensor	0°C to 250°C	Cl. 2	1 s	5 mm	15 cm	P03652904
	 SK14	For surface temperatures that are difficult to access	Elbowed surface sensor	-50°C to 450°C	Cl. 2	8 s	6 mm	13 cm	P03652919
	 SK5	For flat surfaces. The spring ensures optimal contact even if the sensor is not placed perpendicularly. The use of silicone grease improves the quality of the contact	Surface sensor with spring	-50°C to 500°C	Cl. 2	1 s	5 mm Ø au contact 8,5 mm	15 cm	P03652905
	 SK15	For flat surfaces. The spring ensures optimum contact even if the sensor is not placed perpendicularly. Use of silicone grease improves the quality of the contact	Surface sensor with spring	-50°C to 900°C	Cl. 2	2 s	8 mm	13 cm	P03652920
	 SK8	For measurements on pipes. The copper foil is applied to the dry, clean pipe, with the double-sided Velcro tape ensuring contact by winding	Pipe sensor	-50°C to 140°C	Cl. 2	10 seconds on stainless steel pipe	Ø 10-90 mm	32 cm	P03652908
	 SK19	Sensor with magnet for flat metal surfaces	Magnetic sensor	-50°C to 200°C	Cl. 2	7 s	4 mm	1 m	P03652922

Thermocouple extensions

	Description	Ø	Length
CK1	Terminated by male plug / female plug	4 mm	1 m
CK2	Terminated by male plug / 2 stripped wires	4 mm	1 m
CK3	Terminated by DIN 5-pin plug / female socket	4 mm	1 m
CK4	Terminated by 2 banana plugs / female socket	4 mm	1 m

Extension temperature withstand: -40°C to +100°C



CK 3 CK 2 CK 1 CK 4

REFERENCES TO ORDER

CK1	P03652909
CK2	P03652910
CK3	P03652913
CK4	P03652914

ACCESSORIES / REPLACEMENT PARTS

PP1 handle for CK extensions	P03652912
Miniature 2-pole male connector, compensated	P03652925

Pt 100 Ω temperature sensors

PT 100 Ω TEMPERATURE SENSORS

Model	Model	Type / Application	Description	Meas. range	Tolerance class	Response time at 63%	Plunger diameter	Plunger length	Ref.
	SP 10	Surface sensor with spring	For flat surfaces. The spring ensures optimum contact even if the sensor is not placed perpendicularly. Use of silicone grease improves the quality of the contact	-50 °C to 200 °C	Cl. B	6 s	5 mm	13 cm	P03652712
	SP 11	Needle sensor for penetration	Sensor for penetration (minimum 20 mm) in pasty, viscous or liquid media	-100 °C to 600 °C	Cl. B	7 s	3 mm	13 cm	P03652713
	SP 12	Air sensor	In a 'calm' environment without air movement, shake the sensor to promote heat exchange	-100 °C to 600 °C	Cl. B	5 s	5 mm	13 cm	P03652714
	SP 13	Sensor for submersion	Stainless steel sheathed sensor specially designed for liquids	-100 °C to 600 °C	Cl. B	7 s	3 mm	13 cm	P03652715
	SP 14	General-purpose sensor	316 L stainless steel sensor for general use	-100 °C to 450 °C	Cl. A	7 s	3 mm	20 cm	P01655020

Accuracy class A / 0.15 °C + 0.002 x T °C
 Accuracy class B / 0.3 °C + 0.005 x T °C
 Miniature flat-pin connector, 3 poles
 Spiral cable from 45 cm to 1 m

Thermo-hygrometers

CA 1246

Ref.: P01654246



CA Environmental Loggers

CA 1246	
Relative Humidity range	3.0 to 98.0 % RH
Relative Humidity accuracy	10 to 90 %RH: $\pm (2 \% RH \pm 1 \text{ ct})$ outside that range: $\pm (4 \% RH \pm 1 \text{ ct})$
Temperature range	- 10.0 to +60.0 °C
Temperature accuracy	10.0 to 40 °C: $\pm (0.5 \text{ °C} \pm 1 \text{ ct})$ outside that range: $\pm (0.032 \times (T-25) \pm 1 \text{ ct})$ / T= temperature in °C
Dew point range and accuracy	Dew point: -10 to +60.0 °Ctd Accuracy: 1.5 °C
Functions	Min., Max, HOLD, Alarms
Recording	Manual start and stop on the product Programmed recording
Alarms	Visual alert on threshold overrun configurable via Data Logger Transfer - Possibility of triggering recording on alarm threshold
Battery life	1,000 hrs (portable mode) / 3 years for recording (measurement interval: 15 minutes)
Ingress protection	IP54
Mounting	Casing equipped with a magnet, a wall-mount system and a slot for suspending the product. Compatible with the Multifix accessory.
Dimensions / weight	187 x 72 x 32 mm / 260 g

IP 54



STATE AT DELIVERY

Product delivered with carrying bag, batteries, 1 USB cable, measurement report and a quick start-up guide (complete user's manual and Data Logger Transfer software available from the Chauvin Arnoux website).



Data Logger Transfer
Automatic report generation

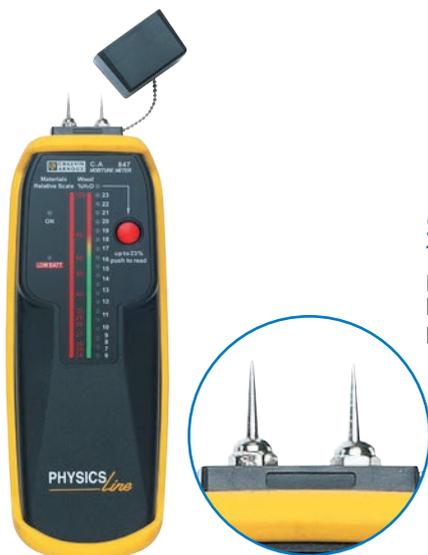


ACCESSORIES / REPLACEMENT PARTS

75% RH self-test saline solution	P01156401
33% RH self-test saline solution	P01156402
Shockproof sheath + Multifix	P01654252
Multifix	P01102100Z
Mains adapter	P01651023
Bag	P01298075
Metal case	P01298071
Dataview software	P01102095
Bluetooth BLE / USB modem for PC	P01654253
4 x AA/LR6 NIMH batteries + charger	HX0053

CA 847

Ref.: P01156302Z



STATE AT DELIVERY

Product delivered with battery, user's manual and protective sheath

Material moisture meter

CA 847	
RH range	6 to 100 % RH
RH accuracy	$\pm 1 \text{ LED}$
Dimensions	173 x 60.5 x 38 mm
Weight	160 g

Luxmeters

CA 1110

Ref.: P01654110

LED
Measurement



CA 1110	
Measurement range	0.1 to 200,000 lx - 0.01 to 18,580 fc
<i>Accuracy in standard mode</i>	
Incandescent lamp	± 3 % of reading
LED	± 6 % of reading (3,000 K and 6,000 K)
Fluorescent lamps	± 9 % of reading
<i>Accuracy in compensation mode</i>	
LED mode	± 4 % of reading (at 4,000 K)
Fluo mode	± 4 % of reading (type F11, 4,000 K)
Functions	Min, Max, HOLD, Average
Recording	Manual start and stop on the product Programmed recording
MAP mode	The MAP function can be used to map the lighting on a surface or in a room. In this way, the measurements are saved in the same file.
Data storage	More than 1 million points
Power supply	- Alkaline batteries: 3 x 1.5 V LR6 or rechargeable NiMH battery - Mains connection via the mains / micro USB connector (option)
Battery life	500 hrs (portable mode) / 3 years for recording (measurement interval: 15 minutes)
Dimensions	Casing: 150 x 72 x 32 mm - Sensor: 67 x 64 x 35 mm (with protective cover) Spiral cable: 24 to 120 cm
Weight	345 g with batteries
Ingress protection	IP50 casing
Operating temperature / humidity	-10 to +60 °C - 10 to 90 % RH
Standards	Class C as per the French NF C 42-710 standard based on the CIE guidelines



STATE AT DELIVERY

Product delivered with carrying bag, batteries, 1 USB cable, 1 measurement report and quick start-up guide (complete user's manual and Data Logger Transfer software available from the Chauvin Arnoux website).



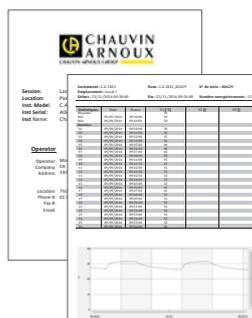
ACCESSORIES / REPLACEMENT PARTS

Shockproof sheath + Multifix	P01654252
Multifix	P01102100Z
Mains adapter	P01651023
Bag	P01298075
Metal case	P01298071
Dataview software	P01102095
Bluetooth BLE / USB modem for PC	P01654253
4 x AA/LR6 NiMH batteries + charger	HX0053

Data Logger Transfer, the software for analysing your data



Configuration of the instruments connected
Programming of recordings and alarms
Capture and display of the data in real time



Automatic report creation

Exportable in
Word format



This makes it
easier to print and
archive them.

Gas measurement

CA 1510

Ref.: P01651011

Ref.: P01651010 - Black



CA 1510

CA 1510			
	CO2	Temperature	Humidity
Measurement range	0 to 5,000 ppm	-10 °C to +60 °C	5 to 95 % RH
Accuracy	± 50 ppm ±3 % R	±0.5 °C	± 2 % RH
Resolution	1 ppm	0.1 °C	0.1 % RH
Recording interval	Customizable from 1 minute to 2 hours		
Data storage	More than 1 million points		
1D mode	Indication of CO2 confinement : Visual (two-colour backlighting & pictograms) and/or audible indication of high confinement from an intermediate CO2 concentration - user-definable thresholds		
Buzzer and units	Yes / °C or °F		
Backlighting / Hold /Min Max	Yes		
Dimensions / weight	125 x 65.5 x 32 mm / 190 g with batteries		
Power supply	Batteries: 2 x 1.5 V LR6 or rechargeable battery Possibility of mains connection with mains / micro USB adapter supplied as standard		
Interfaces	2 possible communication modes: Bluetooth wireless link and USB link; the product is then recognized as a USB key for easy file transfer		
Mounting	CA 1510 casing equipped with a magnet, a wall-mount system and a slot for suspending the product. A wall-mount with anti-theft protection (padlock not supplied) is available as an accessory. A desktop stand is also available (supplied as standard with the CA 1510W)		



STATE AT DELIVERY

Product delivered in a cardboard box with batteries, USB mains adapter, 1 USB-micro USB cable, desktop stand, start-up guide, CD-ROM containing user's manual and data processing software.



*Available in a black version delivered in a metal case

ACCESSORIES / REPLACEMENT PARTS

(1) In-situ calibration kit	P01651022
Hard case	P01298071
Desktop stand	P01651021
(2) White wall-mount	P01651020
USB mains adapter	P01651023
USB-Bluetooth adapter	P01102112
Black wall-mount	P01651024



CA 895

Carbon monoxide
Ref: P01651001Z



CA 895	
Measurement range	0 to 1,000 ppm
Accuracy	± 5 % + 5 ppm
Measurement mode	Normal or Avg.
Functions	Alarm, Max, HOLD
Dimensions	237 x 60.5 x 38 mm
Weight	190 g

STATE AT DELIVERY

Product delivered with 9 V LR14 battery and shockproof protective sheath

ACCESSORIES / REPLACEMENT PARTS

Aspiration kit with pump and extension P01651101

Thermo-anemometers

CA 1227

Ref: P01654227

Interchangeable propeller!

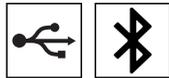
Compatible with new smoke extraction requirements



m/s
km/h

m³/s
m³/h

°C



CA Environmental Loggers



CA 1227	
Air speed/flow-rate sensor	Vane with optical detection
Air speed range	0.50 m/s to 27.0 m/s (98.0 to 5,314 fpm)
Air speed accuracy	± 3 % R ± 0.1 m/s
Air flow-rate range	0 to 2,999 m ³ /h
Air flow-rate accuracy	± 8 % R
Temperature range °C/°F	- 20 to +50 °C / - 4 to +122 °F
Temperature accuracy °C	0 to 50 °C: ± 0.8 °C -20 to 0 °C: ± 1.6 °C
Functions	Min, Max, HOLD, Average
Recording	Manual start and stop on the product - Programmed recording
Data storage	More than 1 million points
Power supply	- Alkaline batteries: 3 x 1.5 V LR6 or rechargeable NiMH battery - Mains connection via the mains / micro USB adapter (option)
Battery life	200 hrs (portable mode) / 8 days for recording (measurement interval: 15 minutes)
Dimensions	Casing: 150 x 72 x 32 mm - Sensor: 160 x 80 x 38 mm Spiral cable: 24 to 120 cm
Weight	approx. 400 g
Ingress protection	IP40 casing
Operating temperature / humidity	-10 to +60 °C - 10 to 90 % RH



STATE AT DELIVERY

Product delivered with carrying bag, 3 x 1.5 V AA alkaline batteries, USB cable, 1 measurement report and quick start-up guide (complete user's manual and Data Logger Transfer software available from the Chauvin Arnoux website)



ACCESSORIES / REPLACEMENT PARTS

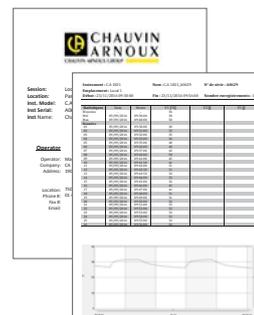
(1) Cones kit for flow-rate measurement with meter (circular cross-section Ø 210 mm and rectangular cross-section 346 x 346 mm)	P01654250	Mains adapter	P01651023
Vane sensor Ø 80 mm	P01654251	Carrying bag	P01298075
Shockproof sheath + Multifix	P01654252	Metal case	P01298071
Multifix	P01102100Z	Dataview software	P01102095
		Bluetooth BLE / USB modem for PC	P01654253
		4 x AA/LR6 NiMH batteries + charger ...	HX0053

Compatible with Data Logger Transfer software

Free and open-source software (more info on page 18)



Configuration of the instruments connected
Programming of recording and alarms
Data capture and display in real time



Automatic report generation

Exportable in Word format
This simplifies printing and archiving



Sound-level meters

CA 1310

Réf. : P01651030



CA 1310	
Measurement range	30.0 to 130.0 dB
Accuracy	± 1 dB
Functions	A and C frequency weighting curves Fast and slow time weighting
Time weighting	FAST: 125 ms / SLOW: 1 second
Functions	
Measurement mode	SPL (sound pressure level) Leq (equivalent continuous sound level) MaxL (maximum sound level) MinL (minimum sound level)
Integration time of the equivalent continuous sound level (Leq)	Choice between: 10 sec, 1 min, 5 min, 10 min, 15 min, 30 min, 1 h, 8 h, 24 h
Data storage	64,000 values
Display	Digital and bargraph Time/date-stamping
Tripod insert	Yes
Mass / dimensions	262 x 75 x 39 mm / 390 g
Analogue output	10 mV/dB ou 1 Veff
General specifications	
Compliance	IEC 61672-1 Class 2
Warranty	2 years
Software	SL-Software: Representation in graph or value table format Data export Real-time mode



ACCESSORIES / REPLACEMENT PARTS

Sound-level meter calibrator at 94 dB or 114 dB, CA 833	P01185301
Wind guard	P01102083

STATE AT DELIVERY

CA 1310 - Delivered in hard case with batteries, foam wind-shield, software on CD-Rom, 1 male Jack socket, User's Manual and verification certificate

Manometers

CA 1550

Réf.: P01654550



3-in-1 device
(differential pressure,
atmospheric pressure, thermometer)

STRENGTHS

- Input for thermocouple probe
- Differential pressure measurement
- Air speed and flow rate
- MAP mapping mode
- Recording of up to 1 million counts
- Magnetic cover



CA 1550 KIT

Réf.: P01654555



Data Logger Transfer
Automatic report generation
Free and open-source software



CA 850

Réf.: P01184102



	CA 850	CA 1550
Measurement range	-6.89 to +6.89 bar	-- 2 450 to + 2 450 Pa
Accuracy	± 1% full scale	± 0.5% full scale ± 1 ct
Units	psi, bar, mbar, mmH ₂ O, inH ₂ O, kbar, cmH ₂ O, FtH ₂ O, mmHg, OZin ² , kg/cm ²	Pa, PSI, DaPa, hPa, mbar, mmHg, inHg, mmH ₂ O, inH ₂ O m/s et km/h, fpm and mph m ³ /s, m ³ /h, l/s or cfm
Functions	Mes. différentielles, Min., Max., HOLD	
Dimensions	182 x 72 x 30 mm	150 x 72 x 32 mm
Weight	220 g	260 g

ÉTAT DE LIVRAISON

CA 850 - delivered in a hard case with 2 connection tubes, 1 user's manual in 5 languages and battery

CA 1550 - delivered with a carrying bag, 3 x 1.5 V AA alkaline batteries, 2 transparent connection hoses, USB cable, test report and Quick Start Guide

CA 1550 Kit - also supplied with a Pitot tube

ACCESSORIES

For CA 1550
Pitot tube (length 324 mm, Ø 6 mm fitting, Ø at tube mouth 8 mm)..... P01654560
Transparent hose (Internal Ø 5 mm, length 2 metres)..... P01654561

Tachometers

CA 1727

Ref.: P01174830



CA 1725

Ref.: P01174810

	CA 1725	CA 1727
RPM function		
Range	60 to 100,000 RPM	
Accuracy	10 ⁻⁴ Reading ± 6 cts	
m/min function		
Range	60 to 10,000 m/min.	
Accuracy	10 ⁻⁴ Reading ± 1 increment	
Hz function		
Range	1 to 10,000 Hz	
Accuracy	4 x 10 ⁻⁵ Reading ± 4 cts	
ms function		
Range	0.1 to 1,000 ms	
Accuracy	10 ⁻⁴ Reading ± 5 cts	
Ratio function		
Range	0.1 to 100 %	
Accuracy	0.1 % to 1 %	
Counting function		
Range	-	0 to 100,000 events
Accuracy	-	± 1 event
Functions	Min., Max., HOLD, Smoothing	
	-	High and low alarm
Data storage	-	4,000 points
Dimensions	216 x 72 x 47 mm	
Weight	250 g	

ACCESSORIES / REPLACEMENT PARTS

(1) Mechanical accessories kit	P01174902
End-fittings (set of 3)	P01174903
Reflective tape (15 x 0.1 m strips)	P01101797
FRB F socket	P01101785
USB mains adapter	P01651023
TACHOGRAPH software on CD-ROM	P01174835
USB-A-to-USB-B cable	P01295293

STATE AT DELIVERY

Delivered in hard case with 1 FRB F connector, 1 x 9 V LR14 battery, 1 set of 15 reflective strips (length: 0.1 m), Tachograph software available for free download (CA 1727)



Laser distance meter

CA 1730

Ref.: P01651730

For construction, renovation and indoor or outdoor fittings in the residential and tertiary sectors, the CA 1730 can be used for all your distance measurements up to 60 m.

Its compact design means it fits in one hand and is easy to operate.

Its backlit display is easy to read whatever the ambient lighting levels.



STATE AT DELIVERY

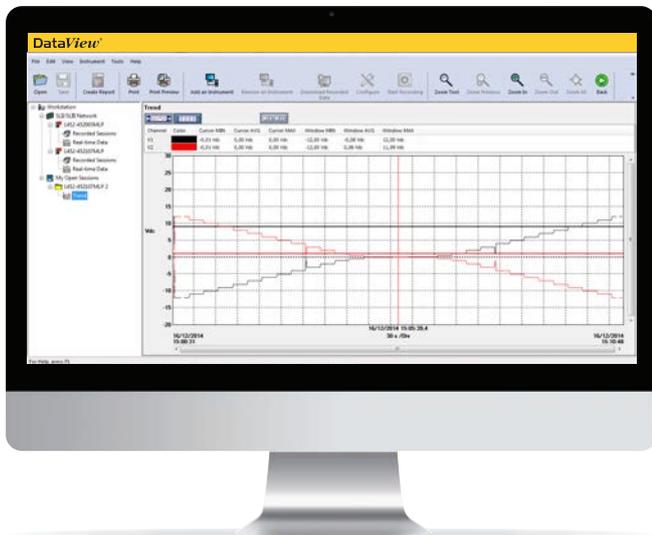
Instrument delivered in a cardboard box with a bag, 2 x AAA batteries, user's manual in 5 languages and verification certificate.



CA 1730 Distance meter	
Measurement range	0.2 - 60 metres
Accuracy	± 2 mm + 5 x 10 ⁻⁵ Distance
Functions	Distance, area & volume measurements Additions / Subtractions Continuous measurements
Display	On 4 lines with backlighting
Data storage	History of 20 results
Units	m / in / ft / ft+in
Power supply	
Type / Battery life	2 x 1.5 V AAA batteries / Approx. 5,000 measurements
Auto power-off	Automatic shutdown of the LASER (30 seconds) Automatic shutdown of the instrument (180 seconds)
Physical specifications	
Dimensions / weight	115 x 52 x 32 mm / 118 g
Protection	IP54
Warranty	2 years

Data Logging Software and Application

Data Logger Transfer, PC software for analyzing your data



DATA LOGGER TRANSFER can be downloaded free of charge from the relevant product web pages.

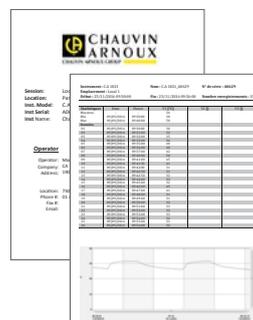
FEATURES

- Configuration of all functions of devices connected to a PC
- Data visualization in table and graph form
- Export to Excel spreadsheet or JPEG image
- Programming of recordings and alarms (date and frequency)
- Automatic creation and export of reports in Word or Excel format

The screenshot shows the 'Configure Instrument' dialog box with the 'Recording' tab selected. It contains several sections for configuring recording parameters:

- Session name:** A text input field.
- Session type:** Radio buttons for 'Record now', 'Schedule recording', and 'Alarm triggered recording'.
- Start date:** 16/11/2016
- Start time:** 11:22:00
- End date:** 16/11/2016
- End time:** 11:37:00
- Storage duration:** 000 : 00 : 15 : 00 (D : H : M : S)
- Sampling period:** Demand period: 1 s
- Estimated battery autonomy:** Not recording: Not; When recording: Not. A note states: 'The battery autonomy is only indicative. It takes into account the voltage level of batteries, which is dependent of temperature and battery quality. This indication assumes that your batteries were fully charged when replaced.'
- Disk space:** A progress bar showing 10,23% of memory used. Text below: '10,23% of the memory has been used. 7,15 Mbytes of available memory. 7,96 Mbytes total memory capacity.' Another note: '0,08% of the memory is needed by the current recording settings. You should modify the settings of your recording or make space in the memory.'
- Keyboard locked during recording:** A checkbox option with a detailed note about its function.

Buttons at the bottom include 'Read', 'Save', 'Load', 'OK', 'Annuler', and 'Aide'.



Automatic report creation

Exportable to Word format

This simplifies editing and archiving.

The screenshot shows the DataView software interface with a table of recorded data. The table has columns for 'Date', 'Time', 'Temperature', 'Relative Humidity', and 'Due point'. The data is as follows:

Date	Time	Temperature	Relative Humidity	Due point
14/11/2016	17:44:06	23,32 °C	36,90 %	7,77 °C
14/11/2016	17:44:07	23,32 °C	36,90 %	7,77 °C
14/11/2016	17:44:08	23,32 °C	36,90 %	7,77 °C
14/11/2016	17:44:09	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:10	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:11	23,32 °C	36,88 %	7,76 °C
14/11/2016	17:44:12	23,31 °C	36,90 %	7,76 °C
14/11/2016	17:44:13	23,31 °C	36,90 %	7,76 °C
14/11/2016	17:44:14	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:15	23,32 °C	36,90 %	7,77 °C
14/11/2016	17:44:16	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:17	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:18	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:19	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:20	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:21	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:22	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:23	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:24	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:25	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:26	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:27	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:28	23,31 °C	36,91 %	7,77 °C
14/11/2016	17:44:29	23,31 °C	36,91 %	7,77 °C
14/11/2016	17:44:30	23,31 °C	36,88 %	7,75 °C
14/11/2016	17:44:31	23,31 °C	36,91 %	7,77 °C
14/11/2016	17:44:32	23,31 °C	36,91 %	7,77 °C
14/11/2016	17:44:33	23,30 °C	36,91 %	7,76 °C

Products concerned

CA 1821
CA 1823
CA 1246
CA 1110

CA 1822
CA 1550
CA 1227
CA 1510

Data exploitation software and application

CA Environmental Loggers, the Android application for remote measurement and data management

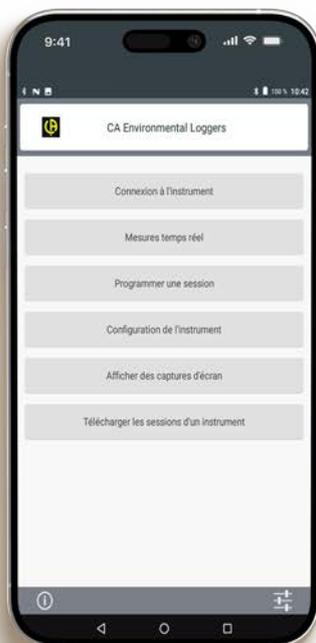
The **CA Environmental Loggers** application is designed to communicate with Chauvin Arnoux loggers (temperature, humidity, illuminance, air velocity and flow rate measurements, etc.). It allows real-time measurement visualization and the display of recorded data directly on a smartphone or tablet.

FEATURES

- Remote real-time measurement visualization
- Configuration of devices connected via Bluetooth
- Programming of recordings and alarms (date and frequency)
- Data export to Excel and sending by email

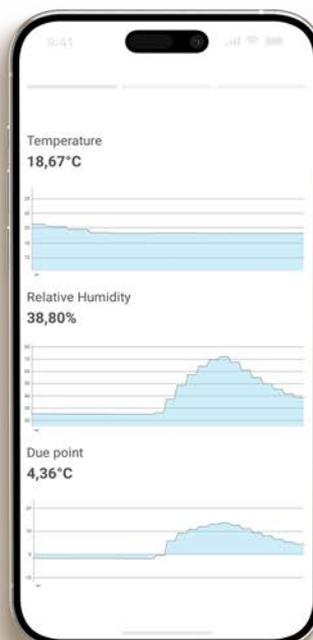


Products concerned	
CA 1821	CA 1822
CA 1823	CA 1550
CA 1246	CA 1227
CA 1110	



Simplified menu and configuration

Viewing measurement curves



Date/Hours	Temperature	Relative Humidity	Dew Point
2017-10-09 17:00:00	42,15 °C	10,55 %	14,18 °C
2017-10-09 17:00:00	42,12 °C	10,46 %	14,08 °C
2017-10-09 17:01:00	42,08 °C	10,49 %	14,07 °C
2017-10-09 17:01:00	42,06 °C	10,49 %	14,06 °C
2017-10-09 17:01:30	42,04 °C	10,41 %	14,05 °C
2017-10-09 17:02:00	42,04 °C	10,42 %	14,07 °C
2017-10-09 17:02:00	42,13 °C	10,42 %	14,08 °C
2017-10-09 17:02:00	42,16 °C	10,39 %	14,08 °C
2017-10-09 17:02:00	42,18 °C	10,42 %	14,11 °C
2017-10-09 17:02:00	42,13 °C	10,46 %	14,09 °C
2017-10-09 17:02:00	42,25 °C	10,39 %	14,13 °C
2017-10-09 17:02:00	42,24 °C	10,41 %	14,15 °C
2017-10-09 17:02:00	42,29 °C	10,36 %	14,14 °C
2017-10-09 17:02:00	42,36 °C	10,32 %	14,16 °C
2017-10-09 17:02:00	42,43 °C	10,32 %	14,22 °C
2017-10-09 17:02:00	42,46 °C	10,25 %	14,16 °C
2017-10-09 17:02:00	42,46 °C	10,28 %	14,19 °C

Details of recording sessions

Discover our range
of measuring instruments
for electrochemistry



Discover the general Test and
Measurement catalogue



Discover our companies
specialising in spectroscopy



Manumasure: Metrology
& regulatory inspections



A LOCAL BRANCH STRUCTURE

LILLE

Tél. : 03 20 55 96 41
info@chauvin-arnoux.com

LYON

Tél. : 04 72 65 77 60
info@chauvin-arnoux.com

PARIS

Tél. : 01 44 85 44 85
info@chauvin-arnoux.com

MARSEILLE

Tél. : 04 72 65 77 62
info@chauvin-arnoux.com

10 SUBSIDIARIES WORLDWIDE

AUSTRIA

Chauvin Arnoux GesmbH
Gastgebgsasse 27
AT-1230 Wien - Austria
Tél.: +43 1 61 61 9 61
vie-office@chauvin-arnoux.at
www.chauvin-arnoux.at

CHINA

**Shanghai Pujiang Enerdis
Instruments
Co Ltd**
Gemdale Viseen Minhang Technlogy &
Industrial Park Project 3 Floor, 23 Building
1288 Zhongchun RD, Minhang District
Shanghai 201199 - China
Tél.: +86 21 65 21 51 96
info@chauvin-arnoux.com.cn
www.chauvin-arnoux.com

GERMANY

Chauvin Arnoux GmbH
Ohmstrasse 1
77694 Kehl / Rhein - Germany
Tél.: +49 7851 99 26-0
info@chauvin-arnoux.de
www.chauvin-arnoux.de

ITALY

AMRA
Via Sant'Ambrogio, 23
20846 Macherio (MB) - Italia
Tél.: +39 039 245 75 45
info@amra-chauvin-arnoux.it
www.chauvin-arnoux.it

MIDDLE EAST

Chauvin Arnoux Middle East
PO Box 60-154
1241 2020 Beirut - Lebanon
Tél.: +961 1 890 425
camie@chauvin-arnoux.com
www.chauvin-arnoux.com

SCANDINAVIA

CA Mätssystem AB
Sjöflygvägen 35
SE-183 62 Taby -Sweden
Tél.: +46 8 50 52 68 00
info@camatsystem.com
www.camatsystem.com

SPAIN

Chauvin Arnoux Ibérica S.A.
C/ Roger de Flor n°293 - 1a Planta
08025 Barcelona - Spain
Tél.: +34 902 20 22 26
comercial@chauvin-arnoux.es
www.chauvin-arnoux.es

SWITZERLAND

Chauvin Arnoux AG
Moosacherstrasse 15
8804 AU
Zurich - Switzerland
Tél.: +41 44 727 75 55
info@chauvin-arnoux.ch
www.chauvin-arnoux.ch

UNITED KINGDOM

Chauvin Arnoux Ltd
Unit 1 Nelson Ct, Flagship Sq Shaw Cross
Business Pk
WF127 TH Dewsbury West Yorkshire - UK
Tél.: +44 1924 460 494
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.com

USA

Chauvin Arnoux Inc
15 Faraday Drive
NH 03820 Dover - USA
Tél.: +1 (603) 749-6434 (Ext. 520)
sales@aemc.com
www.aemc.com

**INTERNATIONAL
Chauvin Arnoux**
12-16, rue Sarah Bernhardt
92600 Asnières-sur-Seine
Tél : +33 1 44 85 44 38
export@chauvin-arnoux.fr
www.chauvin-arnoux.com

**UNITED KINGDOM
Chauvin Arnoux LTD**
Unit 1 Nelson Ct, Flagship Sq, Shaw
Cross Business Pk
Dewsbury, West Yorkshire - WF12 7TH
Tel: +44 1924 460 494
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.com

**MIDDLE EAST
Chauvin Arnoux Middle East**
PO Box 60-154
1241 2020 Beirut
Tél. : +961 1 890 425
camie@chauvin-arnoux.com
www.chauvin-arnoux.com