2022

CHAUVIN ARNOUX

ENVIRONMENTAL
MEASUREMENTS

Measure up

About the
CHAUVIN ARNOUX GROUP

Founded in 1893 in Paris, France, **CHAUVIN ARNOUX,** has succeeded over the centuries in constantly developing its expertise in the design, manufacture and commercialization of measuring instruments for professionals.

From portable instrumentation to fixed electrical equipment and energy performance solutions, from control of the whole thermal process chain to industrial metrology, the **CHAUVIN ARNOUX Group's** offering covers every customer requirement, whatever the sector (contractors, industry, administration, etc.).

> " *CHAUVIN ARNOUX is a major player in the measurement market in France and internationally.* "

Total control of product design and manufacturing

in-house enables the Group to innovate constantly and to propose a very broad product and service offering meeting all its customers' needs

A Few Figures

- 10 subsidiaries worldwide
- 900 employees
- 7 production sites
- 6 R&D departments worldwide
- 11 % of revenues invested in R&D
- Turnover of 100 million euros

Chauvin Arnoux, a team close to you and your partner for:

Energy performance

Regulatory testing

Environmental measurements

Supervision and
sizing of installations

www.chauvin-arnoux.com

CONTENTS

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

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

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

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 +250 ... +630 °C	0.2 0.8	0.3 1.6	0.2 0.8	0.1 ... 3.0
Pt500 385	-200 ... +500 °C +500 ... +630 °C	0.3 0.4	0.6 0.9	0.3 0.4	0.06 ... 3.0
Pt1000 385	-200 ... +100 °C +100 ... +630 °C	0.2 0.2	0.4 0.5	0.2 0.2	0.1 ... 3.0
Pt100 JIS	+200 ... +630 °C	0.2	0.3	0.3	0.1 ... 3.0

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

Range	Resolution	Accuracy ± (% of reading + counts)
100 mV 20 V	0.01 mV 0.001 V	0.02 % + 3 0.02 % + 3
Input impedance: 2 MΩ (rated value), < 100 pF Protection against overvoltages: 30 V - Current delivered at 20 V: 1 mA		
Range 24 mA	Resolution 0.001 mA	Accuracy ± (% of reading + counts) 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 P01295457**Z**

Set of 2 red/black moulded PVC cables P01295451**Z**
Set of 2 x Ø 4 mm moulded test probes P01295451**Z**

Thermal cameras

CA 1950
Ref.: P01651901

CA 1954
Ref.: P01651904

	CA 1950	CA 1954
Detector	80 x 80	120 x 160
Sensitivity (N.E.T.D)	80 mK @ 30 °C (0.08 °C à 30 °C)	
Refresh rate	9 Hz	
Temperature range	-20 °C to +250 °C	
Accuracy	±2 °C or ±2 % of reading	
Field of view	20° x 20°	28° x 38°
IFOV (spatial resolution)	4.4 mrad	4.1 mrad
Focus	Fixed	
Real image	Yes	
Measurement tools	Automatic Min and Max detection on adjustable area 1 manual cursor + automatic detection + Min Max on adjustable area + temperature profile + isotherm	
Parameter settings	Emissivity, environmental temperature, distance, relative humidity	
Voice comments	Yes, via Bluetooth (earpiece supplied)	
Connectivity	F407, F607, MTX 3292 and MTX 3293 clamps	F407, F607, MTX 3292 and MTX 3293 clamps, environmental measurement products (CA 1821, CA 1822, CA 1823, CA 1246, CA 1227, etc.)
Data storage	On removable 2 GB micro-SD card (approx. 4,000 images) up a 32 GB	
Type	Rechargeable NiMH batteries with low self-discharge	
Battery life	13.5 hrs (typical)	9 hrs (typical)
Ingress protection	IP 54	
Fall resistance	2-metre drop	
Weight / dimensions	700 g with rechargeable batteries / 225 x 125 x 83	

IP 54	2 m	⟷ USB	Bluetooth	SD	BMP	PNG

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 software

The CAmReport software is equipped with a very simple user interface for:
✓ Analysis of the thermograms using a large number of tools (cursors, thermal profiles, squares or circles or polygons fora area analyses).

Results tables quickly and automatically display all the information/analytical tools on the thermogram.
✓ Recovery of the voice comments or related measurements
✓ Automatic merging of the thermal and real images recorded simultaneously
✓ Automatic report creation for export in .pdf or .docx format.

Thermal camera

For body temperature measurement

CA 1900
Réf. : P01651902

	CA 1900
Detector	160 x 120
Type	UFPA microbolometer, 8 ~14 µm
Sensitivity (N.E.T.D.)	60 mK @ 30 °C (0,06 °C @ 30 °C)
Refresh rate	9 Hz
Temperature range	+30 °C to +45 °C
Accuracy	± 0,5 °C @ 37 °C
Quick measurement	Instantaneous temperature detection
No contact	Measurement from up to 1.5 m
Audible and visual alerts	For any abnormally high temperature
Optics	Field of view: 38° x 28°
IFOV (spatial resolution)	4.1 mrad
Focusing	Fixed
Minimum focal distance	30 cm
Real image	Yes (320 x 240 pixels)
Measurement tools	1 manual cursor + 1 for automatic hotspot detection + Isotherm
Alarms	Adaptive alarm based on a temperature difference in relation to the average of the temperatures measured (up to 6 people)
	Alarm on overrun of a temperature threshold set by the operator
	Visual and audible indications of overruns (via the Bluetooth earpiece supplied)
	Compatibility with hands-free kits and Bluetooth speakers (profiles supported: HSP, HFP)
Data storage	On a removable 2 GB micro-SD card (approx. 4,000 images), up to 32 GB possible
Adjustment	Automatic or manual adjustment of the palette's min / max
Battery life	9 hours (in normal conditions of use)
Interfaces	USB link and Mass Storage function; the product is then recognized as a USB drive so that you can transfer the images easily Bluetooth for connectivity with earpiece
Mass / dimensions	700 g with rechargeable batteries / 225 x 125 x 83 mm
Practical mounting	Tripod insert under the camera

STATE AT DELIVERY

CA 1900 – Delivered in a site-proof case with 4 NiMH batteries and battery charger, 1 micro SD HD card, 1 USB cable, 1 Bluetooth earpiece, 1 test report, 1 quick start guide

CA 1900 thermal camera
for body temperature measurement _____ P01651902
Mains adapter _____ P01651533

The tripod insert under the camera is particularly practical

IR thermometers & contact thermometers

CA 1860
Ref.: P01651815

CA 1862
Ref.: P01651816

CA 1864
Ref.: P01651813

CA 1866
Ref.: P01651814

	CA 1871	CA 1860	CA 1862	CA 1864	CA 1866
Field of view	8/1	10/1	12/1	30/1	50/1
Emissivity	Fixed : 0.95		Adjustable from 0.1 to 1.0	0.1 to 1	
Mesurement range	-30 °C to + 550 °C	-35 °C to +450 °C (-31 °F to +842 °F)	-35 °C to +650 °C (-31 °F to +1202 °F)	- 50 °C to +1000 °C	
Resolution	Output 1 mV/°C	0.1 °C (0.1 °F)		0.1 °C	
Accuracy*	± 2 %	± 1.8 °C or ± 1.8 % of reading (take the higher value)		± 2 % ± 2 °C	
Functions	-	Instantaneous mode, MAX, MIN, AVG, differential (DIF), continuous measurement by blocking measurement trigger, alarms		Min, Max, Avg, Hold, Alarms, Diff	
Laser sight	Yes		Dual laser	Yes	
Dimensions / weight	164 x 50 x 40 mm 182 g	189 mm x 118 mm x 55 mm / 292 g		230 x 100 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 1871
Ref.: P01651610Z

CA 876
Ref.: P01651403Z

	CA 876	
	IR measurement	Contact measurement
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

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TK2002
Ref.: P01653110

	TK 2000	TK 2002
No. of inputs	1	2
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, user's manual and protective sheath

TK2000
Ref.: P01653100

IR & contact thermometers

CA 1821
Ref.: P01654821

CA 1822
Ref.: P01654822

CA 1823
Ref.: P01654823

	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		

IP 54

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

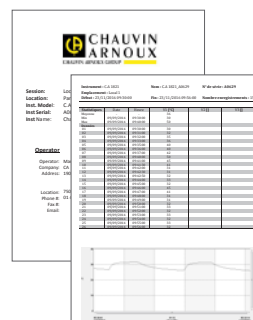|			
Handle for CK extension	P03652912	Carrying bag	P01298075
Connector for K thermocouple	P03652925	Metal case	P01298071
Shockproof sheath + Multifix	P01654252	Dataview software	P01102095
Multifix	P01102100Z	*BLE / USB* Bluetooth modem *for PC*	P01654253
Mains adapter	P01651023	4 x NiMH AA/LR6 batteries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

CA Environmental Loggers

Data Logger Transfer, the software for analysing your data

Bluetooth®

USB
UNIVERSAL SERIAL BUS

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 sensors

K thermocouple sensors

Models	Description	Measurement range	Tolerance class	63 % response time	Plunger diameter	Plunger length
SK1 / P03652901	Needle sensor for penetration with stainless-steel sheath	-50 °C to 800 °C	Class 2	1 second	3 mm	15 cm
SK2 / P03652902	Bendable general-purpose sensor with stainless-steel sheath	-50 °C to 1000 °C	Class 2	2 seconds	2 mm	1 m
SK3 / P03652903	Semi-rigid general-purpose sensor with stainless-steel sheath	-50 °C to 1000 °C	Class 2	6 seconds	4 mm	50 cm
SK4 / P03652904	Surface sensor Sheathed with stainless-steel sensing element and Teflon base	0 °C to 250 °C	Class 2	1 second	5 mm	15 cm
SK5 / P03652905	Surface sensor with spring	-50 °C to 500 °C	Class 2	1 second	5 mm, diameter in contact 8.5 mm	15 cm
SK6 / P03652906	Flexible sensor not suitable for liquids	-50 °C to 285°C	Class 2	1 second in contact 3 s ambient	1 mm	1 m
SK7 / P03652907	Air sensor for ambient measurement	-50 °C to 250 °C	Class 2	5 seconds	5 mm	15 cm
SK8 / P03652908	Pipe sensor	-50 °C to 140 °C	Class 2	10 s on Ø 12 mm stainless-steel pipe	90 mm	32 cm
SK11 / P03652917	Needle sensor for penetration with handle Stainless -steel sheath	50 °C to 600 °C	Class 2	12 seconds	3 mm	13 cm
SK13 / P03652918	General-purpose sensor with stainless-steel sheath	-50 °C to 1100 °C	Class 2	12 seconds	3 mm	30 cm
SK14 / P03652919	Elbowed surface sensor	-50 °C to 450 °C	Class 2	8 seconds	6 mm	13 cm
SK15 / P03652920	Surface sensor with spring and handle	-50 °C to 900 °C	Class 2	2 seconds	8 mm	13 cm
SK17 / P03652921	Air sensor for ambient measurement with handle and spiral cable	-50 °C to 600 °C	Class 2	5 seconds	6 mm	13 cm
SK19 / P03652922	Magnetic sensor with magnet for flat metal surfaces	-50 °C to 200 °C	Class 2	7 seconds	4 mm	1 m
SK20 / P01655010	General-purpose flexible sensor	-40 °C to 450 °C	Class 1	1 second	1.5 mm	1 m

Accuracy Class I / -40 °C to +375 °C: ± 1.5 °C / +375 °C to +1000 °C: ± 0.004 x T °C.
Accuracy Class II / -40 °C to +333 °C: ± 2.5 °C / +333 °C to +1200 °C: ± 0.0075 x T °C.

Extensions for thermocouples

	Description	Ø	Length
CK 1	Terminated by male plug / female plug	4 mm	1 m
CK 2	Terminated by male plug / 2 bare wires	4 mm	1 m
CK 3	Terminated by 5-pin DIN plug / female socket	4 mm	1 m
CK 4	Terminated by 2 banana plugs / female socket	4 mm	1 m

Temperature withstand of extensions: -40 °C to +100 °C

Pt 100 Ω temperature sensors

	Description	Measurement range	Tolerance class	63 % response time	Plunger diameter	Plunger length
SP14 P01655020	General-purpose sensor with stainless-steel sheath	-100 °C to 450 °C	Class A	7 seconds	3 mm	20 cm
SP10 P03652712	Surface sensor with spring ressort	-50 °C to 200 °C	Class B	6 seconds	5 mm	13 cm
SP11 P03652713	Stainless-steel needle sensor for penetration	-100 °C to 600 °C	Class B	7 seconds	3 mm	13 cm
SP12 P03652714	Air sensor	-100 °C to 600 °C	Class B	5 seconds	5 mm	13 cm
SP13 P03652715	Stainless-steel sensor for immersion	-100 °C to 600 °C	Class B	7 seconds	3 mm	13 cm

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: 45 cm to 1 m

Thermo-hygrometers

CA 1246
Ref.: P01654246

	CA 1246
Relative Humidity range	3.0 to 98.0 % RH
Relative Humidity accuracy	10 to 90 %RH: ± (2 % RH ± 1 ct) outside that range: ± (4 % RH ± 1 ct)
Temperature range	- 10.0 to +60.0 °C
Temperature accuracy	10 to 40 °C: ± (0.5 °C ± 1 ct) outside that range: ± (0.032 x (T-25) ± 1 ct) / T= temperature in °C
Dew point range and accuracy	Dew point: - 20.0 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).

ACCESSORIES / REPLACEMENT PARTS

Data Logger Transfer
Automatic report generation

75 % RH salt cartridge	P01156401
33 % RH salt cartridge	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 Environmental Loggers

CA 847
Ref.: P01156302Z

STATE AT DELIVERY

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

	CA 847
RH range	6 to 100 % RH
RH accuracy	± 1 LED
Dimensions	173 x 60.5 x 38 mm
Weight	160 g

Luxmeters

CA 1110
Ref.: P01654110

	CA 1110
Measurement range	0.1 to 200,000 lx - 0.01 to 18,580 fc
Accuracy in standard mode	
Incandescent lamp	± 3 % of reading
LED	± 6 % of reading (3,000 K and 6,000 K)
Fluorescent lamps	± 9 % of reading
Accuracy in compensation mode	
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

CA Environmental Loggers

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
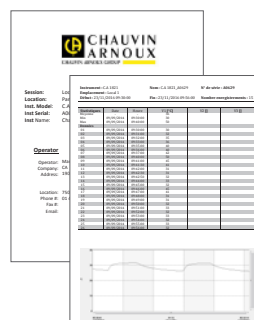4 x AA/LR6 NiMH batteries + charger HX0053

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

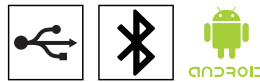This makes it easier to print and archive them.

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
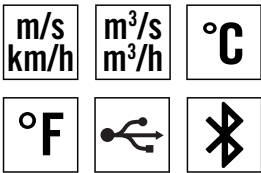
ACCESSORIES / REPLACEMENT PARTS

Aspiration kit with pump and extension P01651101

Thermo-anemometers

CA 1227
Ref.: P01654227

| m/s km/h | m³/s m³/h | °C |
| °F | USB | Bluetooth |

CA Environmental Loggers

ANDROID

	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 m3/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)

1

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
Vane sensor Ø 80 mm P01654251
Shockproof sheath + Multifix.................. P01654252
Multifix P01102100Z

Mains adapter P01651023
Carrying bag P01298075
Metal case P01298071
Dataview software P01102095
Bluetooth BLE / USB modem for PC P01654253
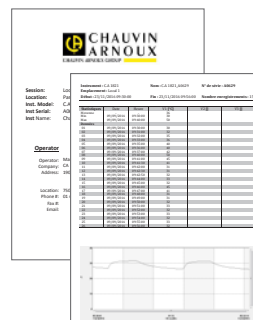4 x AA/LR6 NIMH batteries + charger ... HX0053

Data Logger Transfer, the software for analysing your data

Bluetooth®

USB
UNIVERSAL SERIAL BUS

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

CHAUVIN ARNOUX

Automatic report generation

Exportable in Word format This simplifies printing and archiving

Sound-level meters and manometers

CA 832
Réf.: P01185501Z

CA 1310
Réf.: P0 1651030

	CA 832	CA 1310
Measurement range	37 à 130 dB	30.0 to 130.0 dB
Accuracy	±2 dB	±1 dB
Functions	A and C frequency weighting curves Fast and slow time weighting	A and C frequency weighting curves Fast and slow time weighting
Time weighting	FAST: 125 ms SLOW : 1 second	FAST: 125 ms / SLOW: 1 second
Functions		
Measurement mode	MaxL (Maximum sound level)	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	Digital and bargraph Time/date-stamping
Tripod insert	Yes	Yes
Mass / dimensions	237 x 60,5 x 38 mm / 230 g	262 x 75 x 39 mm / 390 g
Analogue output	10 mV/dB ou 1 Veff	10 mV/dB ou 1 Veff
General specifications		
Compliance	IEC 651 type 2	IEC 61672-1 Class 2
Warranty	2 years	2 years
Software	No	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 832 - Livré avec une gaine antichoc, 1 prise jack pour sortie analogique, 1 adaptateur universel pour fixation sur trépied, notices et piles

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

CA 850
Réf.: P01184102

	CA 850	CA 1550
Measurement range	−6.89 to +6.89 bar	-- 2 450 to + 2 450 Pa
Accuracy	± 0,5 % full scale ± 1 ct	
Units	psi, bar, mbar, mmH_2O, inH_2O, kbar, cmH_2O, FtH_2O, mmHg, $OZin^2$, kg/cm^2	Pa, PSI, DaPa, hPa, mbar, mmHg, inHg, mmH_2O, inH_2O 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

STATE AT DELIVERY ▶

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

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

Tachymètres

CA 1727
Réf. : P01174830

CA 1725
Réf. : P01174810

	CA 1725	CA 1727
Fonction tr/min		
Plage	60 à 100 000 tr/min.	
Précision	10^{-4} L ± 6 pts	
Fonction m/min		
Plage	60 à 10 000 m/min.	
Précision	10^{-4} L ± 1 pas	
Fonction Hz		
Plage	1 à 10 000 Hz	
Précision	4×10^{-5} L ± 4 pts	
Fonction ms		
Plage	0,1 à 1000 ms	
Précision	10^{-4} L ±5 pts	
Fonction rapport		
Plage	0,1 à 100 %	
Précision	0,1 % à 1 %	
Fonction comptage		
Plage	-	0 à 100 000 événements
Précision	-	± 1 événement
Fonctions	Min., Max, HOLD, Lissage	
	-	Alarme haute et basse
Mémoire	-	4000 points
Dimensions	21 x 72 x 47 mm	
Masse	250 g	

ÉTAT DE LIVRAISON ▶

Livrés en mallette avec 1 connecteur FRB F,
1 pile 9 V LR14, 1 jeu de 15 films rétro réfléchissants
(longueur de 0,1 m), 1 CD-ROM contenant la notice
de fonctionnement

ACCESSOIRES / RECHANGES ▶

(1) Kit accessoires mécaniques	P01174902
Embouts (jeu de 3)	P01174903
Film rétro réfléchissant (15 bandes de 0,1 m)	P01101797
Prise FRB F	P01101785
Adaptateur secteur USB	P01651023
Logiciel TACHOGRAPH sur CD-ROM	P01174835
Cordon USB-A vers USB-B	P01295293

Champmètres

CA 40
Réf. : P01167501

	CA 40
Mesure	Champ magnétique
Dynamique	Jusqu'à 2mT
Plage de fréquences	30 à 300 Hz
Précision	±(5 %+3 pts) sur la gamme 200 µT
Sonde	Unidirectionnelle
Mémoire	Non
Dimensions / Masse	163 x 68 x 24 mm / 285 g

ÉTAT DE LIVRAISON ▶

CA 40.... P01167501   livré avec pile et sonde

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