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
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

ACCESSORIES / REPLACEMENT PARTS
Mains power supply  P0103057
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  P01295451z
Thermal cameras

CA 1950
Ref.: P01651901

CA 1954
Ref.: P01651904

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

**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.
The tripod insert under the camera is particularly practical.
IR thermometers & contact thermometers

<table>
<thead>
<tr>
<th>Product</th>
<th>Ref.:</th>
<th>Field of view</th>
<th>Emissivity</th>
<th>Measurement range</th>
<th>Resolution</th>
<th>Accuracy*</th>
<th>Functions</th>
<th>Laser sight</th>
<th>Dimensions / weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 1860</td>
<td>P01651815</td>
<td>8/1</td>
<td>Fixed: 0.95</td>
<td>-30 °C to +550 °C</td>
<td>0.1 °C</td>
<td>± 1.5 %</td>
<td>HOLD, °C</td>
<td>-</td>
<td>164 x 50 x 40 mm / 182 g</td>
</tr>
<tr>
<td>CA 1862</td>
<td>P01651816</td>
<td>10/1</td>
<td>Adjustable from 0.1 to 1</td>
<td>-35 °C to +450 °C (-31 °F to +842 °F)</td>
<td>0.1 °C (0.1 °F)</td>
<td>± 1.5 %</td>
<td>Instantaneous mode, MAX, MIN, AVG, differential (DIFF), continuous measurement by blocking measurement trigger, alarms</td>
<td>Yes</td>
<td>189 mm x 78 mm x 55 mm / 292 g</td>
</tr>
<tr>
<td>CA 1864</td>
<td>P01651813</td>
<td>12/1</td>
<td></td>
<td>-35 °C to +650 °C (-31 °F to +1202 °F)</td>
<td>0.1 °C</td>
<td>± 1.5 %</td>
<td>Min, Max, Avg, Hold, Alarms, Diff</td>
<td>Dual laser</td>
<td>230 x 100 x 56 mm / 290 g</td>
</tr>
<tr>
<td>CA 1866</td>
<td>P01651814</td>
<td>30/1</td>
<td></td>
<td>0.1 °C to +1000 °C</td>
<td></td>
<td>± 2 %</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>CA 876</td>
<td>P01651403Z</td>
<td>50/1</td>
<td></td>
<td>0.1 °C to +1202 °F</td>
<td></td>
<td>± 2 %</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

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

**Products delivered with batteries, user’s manual and carrying bag.

**Product delivered with battery, user’s manual and protective sheath.

**Product delivered with battery, user’s manual and protective sheath.
IR & contact thermometers

Data Logger Transfer, the software for analysing your data

**CA 1821**
Ref: P01654821

- **Sensor**: J, K, T, N, E, R or S thermocouple
- **No. of inputs**: 1
- **Range**: -250 °C to 1767 °C
- **Resolution**: ± (0.1 % R + 0.6 °C) ± (0.4 % R +0.3 °C) ± (0.4 % R +0.3 °C)
- **Accuracy**: ± (0.4 % R +0.3 °C)
- **Functions**: Min, Max, HOLD, Alarms
- **Recording**: Manual start and stop on the product
- **Alarms**: Visual alert if a threshold is overrun configurabe via Data Logger Transfer
- **Battery life**: 1,000 hrs (portable mode) / 3 years for recording
- **Ingress protection**: IP54 casing
- **Mounting**: Casing equipped with a magnet, a wall-mount system and a slot for suspending the product
- **Connections**: CA 1821 and 1822: miniature female compensated
- **Dimensions/weight**: 150 x 72 x 32 mm / 260 g with batteries

**CA 1822**
Ref: P01654822

- **Sensor**: Pt100, Pt1000
- **No. of inputs**: 2
- **Range**: -100 °C to 400 °C
- **Resolution**: 0.1 °C
- **Accuracy**: ± (0.4 % R +0.3 °C)
- **Functions**: Min, Max, HOLD, Alarms
- **Recording**: Programmed recording
- **Battery life**: (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.
- **Connections**: CA 1822: 3-point flat connector
- **Dimensions/weight**: 150 x 72 x 32 mm / 260 g with batteries

**CA 1823**
Ref: P01654823

- **Sensor**: CA Environmental
- **No. of inputs**: 3
- **Range**: -250 °C to 1767 °C / -100 °C to 400 °C
- **Resolution**: ≥ 1,000 °C: 1 °C
- **Accuracy**: ± (0.1 % R + 0.6 °C)
- **Functions**: Programmable recording
- **Recording**: Possibility of triggering recording on alarm threshold
- **Battery life**: 1,000 hrs (portable mode) / 3 years for recording
- **Ingress protection**: IP54 casing
- **Mounting**: Casing equipped with a magnet, a wall-mount system and a slot for suspending the product.
- **Connections**: 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
- Connector for K thermocouple P03652925
- Shockproof sheath + Multifix P01654252
- Multifix P01021002
- Mains adaptor P0165023

**Exportable in Word format**
This makes it easier to print and archive them.
## Temperature sensors

### K thermocouple sensors

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

---

## Extensions for thermocouples

<table>
<thead>
<tr>
<th>Description</th>
<th>Ø</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CK1</td>
<td>Terminated by male plug / female plug</td>
<td>4 mm</td>
</tr>
<tr>
<td>CK2</td>
<td>Terminated by male plug / 2 bare wires</td>
<td>4 mm</td>
</tr>
<tr>
<td>CK3</td>
<td>Terminated by 5-pin DIN plug / female socket</td>
<td>4 mm</td>
</tr>
<tr>
<td>CK4</td>
<td>Terminated by 2 banana plugs / female socket</td>
<td>4 mm</td>
</tr>
</tbody>
</table>

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

## Pt 100 Ω temperature sensors

<table>
<thead>
<tr>
<th>Description</th>
<th>Measurement range</th>
<th>Tolerance class</th>
<th>63 % response time</th>
<th>Plunger diameter</th>
<th>Plunger length</th>
</tr>
</thead>
<tbody>
<tr>
<td>General-purpose sensor with stainless-steel sheath</td>
<td>-100 °C to 450 °C</td>
<td>Class A</td>
<td>7 seconds</td>
<td>3 mm</td>
<td>20 cm</td>
</tr>
<tr>
<td>Surface sensor with spring ressort</td>
<td>-50 °C to 200 °C</td>
<td>Class B</td>
<td>6 seconds</td>
<td>5 mm</td>
<td>13 cm</td>
</tr>
<tr>
<td>Stainless-steel needle sensor for penetration</td>
<td>-100 °C to 600 °C</td>
<td>Class B</td>
<td>7 seconds</td>
<td>3 mm</td>
<td>13 cm</td>
</tr>
<tr>
<td>Air sensor</td>
<td>-100 °C to 600 °C</td>
<td>Class B</td>
<td>5 seconds</td>
<td>5 mm</td>
<td>13 cm</td>
</tr>
<tr>
<td>Stainless-steel sensor for immersion</td>
<td>-100 °C to 600 °C</td>
<td>Class B</td>
<td>7 seconds</td>
<td>3 mm</td>
<td>13 cm</td>
</tr>
</tbody>
</table>

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

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).

STATE AT DELIVERY

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

ACCESSORIES / REPLACEMENT PARTS

- 75 % RH salt cartridge P01156401
- 33 % RH salt cartridge P01156402
- Shockproof sheath + Multifix P01654252
- Multifix P0102000Z
- Mains adapter P01653023
- Bag P0198075
- Metal case P0198071
- Dataview software P01020056
- Bluetooth BLE / USB modem for PC P01654253
- 4 x AA/LR6 NIMH batteries + charger HX0053

CA 847
Ref.: P01156302Z

Product delivered with battery, user’s manual and protective sheath.

STATE AT DELIVERY

RH range: 6 to 100 % RH
RH accuracy: ± 1 LED
Dimensions: 173 x 60.5 x 38 mm
Weight: 160 g
CA 1110

<table>
<thead>
<tr>
<th>Measurement range</th>
<th>0.1 to 200,000 lx - 0.01 to 18,380 fc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy in standard mode</td>
<td>-</td>
</tr>
<tr>
<td>Incandescent lamp</td>
<td>± 3 % of reading</td>
</tr>
<tr>
<td>LED</td>
<td>± 6 % of reading (3,000 K and 6,000 K)</td>
</tr>
<tr>
<td>Fluorescent lamps</td>
<td>± 9 % of reading</td>
</tr>
<tr>
<td>Accuracy in compensation mode</td>
<td>-</td>
</tr>
<tr>
<td>LED mode</td>
<td>± 4 % of reading (at 4,000 K)</td>
</tr>
<tr>
<td>Fluoro mode</td>
<td>± 4 % of reading (type Fl, 4,000 K)</td>
</tr>
<tr>
<td>Functions</td>
<td>Min, Max, HOLD, Average</td>
</tr>
<tr>
<td>Recording</td>
<td>Manual start and stop on the product</td>
</tr>
<tr>
<td>MAP mode</td>
<td>The MAP function can be used to map the lighting on a surface or in a room</td>
</tr>
<tr>
<td>In this way, the measurements are saved in the same file.</td>
<td></td>
</tr>
<tr>
<td>Data storage</td>
<td>More than 1 million points</td>
</tr>
<tr>
<td>Power supply</td>
<td>- Alkaline batteries: 3 x 1.5 V LR6 or rechargeable NiMH battery</td>
</tr>
<tr>
<td>- Mains connection via the mains / micro USB connector (option)</td>
<td></td>
</tr>
<tr>
<td>Battery life</td>
<td>500 hrs (portable mode) / 3 years for recording (measurement interval: 15 minutes)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Casing: 150 x 72 x 32 mm - Sensor: 67 x 64 x 35 mm (with protective cover)</td>
</tr>
<tr>
<td>Spiral cable: 24 to 120 cm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>346 g with batteries</td>
</tr>
<tr>
<td>Ingress protection</td>
<td>IP50 casing</td>
</tr>
<tr>
<td>Operating temperature / humidity</td>
<td>-10 to +60 °C -10 to 90 % RH</td>
</tr>
<tr>
<td>Standards</td>
<td>Class C as per the French NF C 42-710 standard based on the CIE guidelines</td>
</tr>
</tbody>
</table>

State at Delivery

Product delivered with carrying bag, batteries, I USB cable, I 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 P01654072
- Mains adapter P01653023
- Bag P01654075
- Metal case P02298273
- Dataview software P01654209
- Bluetooth BLE / USB modem for PC P01654253
- 4 x AA/LR6 NiMH batteries + charger HX0553

Data Logger Transfer, the software for analysing your data

Automatic report creation

Exportable in Word format

This makes it easier to print and archive them.
CA 1510

Ref.: P01651011
Ref.: P01651010 - Black

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.

**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.

**ACCESSORIES / REPLACEMENT PARTS**

(1) In-situ calibration kit
Hard case
Desktop stand
(2) White wall-mount
USB-mains adapter
USB-Bluetooth adapter
Black wall-mount

*Available in a black version delivered in a metal case

---

CA 895
Carbon monoxide
Ref: P0165001Z

Product delivered with 9 V LR14 battery and shockproof protective sheath

**STATE AT DELIVERY**

Product delivered with 9 V LR14 battery and shockproof protective sheath

**ACCESSORIES / REPLACEMENT PARTS**

Aspiration kit with pump and extension

---
Thermo-anemometers

CA 1227
Ref: P01654227

- 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: ± 0.8 °C
  -20 to 0 °C: ± 1.6 °C

Functions:
- Min, Max, HOLD, Average

Recording:
- Manual start and stop on the product
- Programmed recording

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

Data Logger Transfer, the software for analysing your data
- Automatic report generation
- Exportable in Word format
- This simplifies printing and archiving

Accessories / Replacement Parts

| (1) Cones kit for flow-rate measurement with meter | Mains adapter | P0165023 |
| (circular cross-section Ø 210 mm and rectangular cross-section 346 x 346 mm) | Carrying bag | P01298175 |
| Vane sensor Ø 80 mm | Metal case | P01298071 |
| Shockproof sheath + Multifix | Dataview software | P01020709 |
| Multifix | Bluetooth BLE / USB modem for PC | P01654253 |
| | | P01654252 |
| | | 4 x AA/LR6 NIMH batteries + charger | H00053 |

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)

Dimensions

| Casing: 150 x 72 x 32 mm | Sensor: 160 x 80 x 38 mm |

Weight

approx. 400 g

Ingress protection

IP40 casing

Operating temperature / humidity

-10 to +60 °C - 10 to 90 % RH

Battery life

200 hrs (portable mode) - 8 days for recording (measurement interval: 15 minutes)

Power supply

- Alkaline batteries: 3 x 1.5 V LR6 or rechargeable NiMH battery
- Mains connection via the mains / micro USB adapter (option)

Accessories / Replacement Parts

| Multifix | Bluetooth BLE / USB modem for PC |
| (cross-section 346 x 346 mm) | P01020709 |
| Metal case | P01654252 |
| Carrying bag | P01298175 |
| Mains adapter | P0165023 |
| 4 x AA/LR6 NIMH batteries + charger | H00053 |
Sound-level meters and manometers

**CA 832**
Réf.: P0185501Z

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

**CA 1310**
Réf.: P01651030

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

**ACCESSORIES / REPLACEMENT PARTS**

<table>
<thead>
<tr>
<th>CA 832</th>
<th>CA 1310</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement range</strong></td>
<td>37 à 130 dB</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>± 2 dB</td>
</tr>
<tr>
<td><strong>Functions</strong></td>
<td>A and C frequency weighting curves, Fast and slow time weighting</td>
</tr>
<tr>
<td><strong>Time weighting</strong></td>
<td>FAST: 125 ms, SLOW: 1 second</td>
</tr>
<tr>
<td><strong>Measurement mode</strong></td>
<td>MaxL (Maximum sound level)</td>
</tr>
<tr>
<td><strong>Integration time of the equivalent continuous sound level (Leq)</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Data storage</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Digital</td>
</tr>
<tr>
<td><strong>Tripod insert</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Mass / dimensions</strong></td>
<td>237 x 60.5 x 38 mm / 230 g</td>
</tr>
<tr>
<td><strong>Analogue output</strong></td>
<td>10 mV/dB ou 1 Veff</td>
</tr>
<tr>
<td><strong>General specifications</strong></td>
<td>Choice between: 10 sec, 1 min, 5 min, 10 min, 15 min, 30 min, 1 h, 8 h, 24 h</td>
</tr>
<tr>
<td><strong>Data storage</strong></td>
<td>64,000 values</td>
</tr>
</tbody>
</table>

**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 852**
Réf.: P0184101

- **Measurement range** −6.89 to +6.89 bar
- **Accuracy** 0.3 % full scale
- **Units** psi, bar, mbar, mmH2O, inH2O, kbar, mmHg, 0.2N² / cm², kg/cm²
- **Functions** Differential meas., Min, Max, HOLD
- **Dimensions** 182 x 72 x 30 mm
- **Weight** 220 g

**CA 850**
Réf.: P0184102

- **Measurement range** −138 to +138 mbar
- **Accuracy** 0.3 % full scale
- **Units** psi, bar, mbar, mmH2O, inH2O
- **Functions** Differential meas., Min, Max, HOLD
- **Dimensions** 182 x 72 x 30 mm
- **Weight** 220 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 852 - delivered in a hard case with 2 connection tubes, 1 user’s manual in 5 languages and battery
Fieldmeters

CA 40
Réf. : P01167501

Measurement
Magnetic field
Dynamic range
Up to 2 mT
Frequency range
30 to 300 Hz
Accuracy
±(5 % +3 cts) on the 200 µT range
Sensor
One-way
Data storage
No
Dimensions / weight
163 x 68 x 24 mm / 285 g

STATE AT DELIVERY
CA 40... P01167501 delivered with battery and sensor
CA 41... P01167001B delivered in hard case with sensor, batteries and user’s manuals
CA 43... P01167002A delivered in hard case with batteries, sensor, optical fibre, 1 PC adapter, 1 CD-ROM containing data processing software for the CA 43

Tachometers

CA 1727
Ref.: P01174830

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 10⁻⁴ 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

Data storage
4,000 points

Dimensions
21 x 72 x 47 mm
Weight
250 g

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), 1 CD-ROM containing the user’s manual

ACCESSORIES / REPLACEMENT PARTS
(1) Mechanical accessories kit
P01174902
End-fittings (set of 3)
P01174903
Reflective tape (15 x 0.1 m strips)
P01110797
FRB F socket
P0110785
USB mains adapter
P01651023
TACHOGRAPH software on CD-ROM
P01174835
USB-A-to-USB-B cable
P01295293

CA 1725
Ref.: P01174810

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 10⁻⁴ 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

Data storage
4,000 points

Dimensions
21 x 72 x 47 mm
Weight
250 g
10 SUBSIDIARIES WORLDWIDE

GERMANY
CHAUVIN ARNOUX GmbH
Ohmstraße 1
77694 KEHL / RHEIN
Tel.: +49 7851 99 26-0
Fax: +49 7851 99 26-60
info@chauvin-arnoux.de
www.chauvin-arnoux.de

AUSTRIA
CHAUVIN ARNOUX GesmbH
Gastgebergasse 27
1230 WIEN
Tel.: +43 1 61 61 9 61
Fax: +43 1 61 61 9 64-61
vie-office@chauvin-arnoux.at
www.chauvin-arnoux.at

CHINA
SHANGHAI PU-JIANG ENERDIS INSTRUMENTS CO. LTD
N° 381 Xiang De Road
3 Floor, Building 1
200081 SHANGHAI
Tel.: +86 21 65 21 61 96
Fax: +86 21 65 21 61 07
info@chauvin-arnoux.com.cn

FRANCE
Chauvin Arnoux
12-16 rue Sarah Bernhardt
92600 Asnières sur Seine
Tel.: +33 1 44 85 44 85
Fax: +33 1 46 27 33 89
info@chauvin-arnoux.fr
www.chauvin-arnoux.fr

INTERNATIONAL
Chauvin Arnoux
12-16 rue Sarah Bernhardt
92600 Asnières sur Seine
Tel.: +33 1 44 85 44 38
Fax: +33 1 46 27 95 59
export@chauvin-arnoux.fr
www.chauvin-arnoux.fr

ITALY
AMRA SPA
Via Sant’Ambrogio, 23
20846 MACHERIO (MB)
Tel.: +39 039 245 75 45
Fax: +39 039 481 561
info@amra-chauvin-arnoux.it
www.chauvin-arnoux.it

MIDDLE EAST
CHAUVIN ARNOUX MIDDLE EAST
PO Box 60-154
1241 2020 JAL EL DIB (Beyrouth) - LIBAN
Tel.: +961 1890 425
Fax: +961 1890 424
camie@chauvin-arnoux.com
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
Fax: +44 1924 455 328
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.com

SPAIN
CHAUVIN ARNOUX IBÉRICA SA
C/ Roger de Flor Nº293 - 1a Planta
08025 BARCELONA
Tel.: +34 902 20 22 26
Fax: +34 934 59 14 43
info@chauvin-arnoux.es
www.chauvin-arnoux.es

SWITZERLAND
CHAUVIN ARNOUX AG
Moosacherstrasse 15
8804 AU / ZH
Tel.: +41 44 727 75 55
Fax: +41 44 727 75 56
info@chauvin-arnoux.ch
www.chauvin-arnoux.ch

USA
CHAUVIN ARNOUX INC
d.b.a AEMC Instruments
15 Faraday Drive
Dover - NH 03820
Tel.: +1 (800) 945 - 2362
Fax: +1 (603) 742 - 2346
sales@aemc.com
www.aemc.com

SCANDINAVIA
CA MÅTSYSTEM AB
Stjärlygpäven 35
SE-183 62 TABY
Tel.: +46 8 50 52 68 00
Fax: +46 8 50 52 68 10
info@camatsystem.com
www.camatsystem.com

MIDDLE EAST
CHAUVIN ARNOUX MIDDLE EAST
PO Box 60-154
1241 2020 JAL EL DIB (Beyrouth) - LIBAN
Tel.: +961 1890 425
Fax: +961 1890 424
camie@chauvin-arnoux.com
www.chauvin-arnoux.com

SWITZERLAND
CHAUVIN ARNOUX AG
Moosacherstrasse 15
8804 AU / ZH
Tel.: +41 44 727 75 55
Fax: +41 44 727 75 56
info@chauvin-arnoux.ch
www.chauvin-arnoux.ch

USA
CHAUVIN ARNOUX INC
d.b.a AEMC Instruments
15 Faraday Drive
Dover - NH 03820
Tel.: +1 (800) 945 - 2362
Fax: +1 (603) 742 - 2346
sales@aemc.com
www.aemc.com

CHINA
SHANGHAI PU-JIANG ENERDIS INSTRUMENTS CO. LTD
N° 381 Xiang De Road
3 Floor, Building 1
200081 SHANGHAI
Tel.: +86 21 65 21 61 96
Fax: +86 21 65 21 61 07
info@chauvin-arnoux.com.cn

INTERNATIONAL
Chauvin Arnoux
12-16 rue Sarah Bernhardt
92600 Asnières sur Seine
Tel.: +33 1 44 85 44 85
Fax: +33 1 46 27 33 89
info@chauvin-arnoux.fr
www.chauvin-arnoux.fr

MIDDLE EAST
CHAUVIN ARNOUX MIDDLE EAST
PO Box 60-154
1241 2020 JAL EL DIB (Beyrouth) - LIBAN
Tel.: +961 1890 425
Fax: +961 1890 424
camie@chauvin-arnoux.com
www.chauvin-arnoux.com