

# C.A 1246

## Logger Thermo-Hygrometer



### Measure humidity and temperature in all conditions

- Compact and magnetized for fixed or portable use
- Recording up to 1 million points
- Alarms and recording trigger on alarm
- Battery life of up to 3 years
- IP54 casing



Data Logger Transfer  
Automatic report generation



Measure up



12 °C

## C.A 1246 Logger Thermo-Hygrometer

### RELATIVE HUMIDITY

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Type                  | Capacitive sensor                                                                                   |
| Measurement range     | 3.0 to 98.0 %RH                                                                                     |
| Resolution            | 0.1 %RH                                                                                             |
| Intrinsic uncertainty | 10 to 90 %RH: $\pm (2 \%RH \pm 1 \text{ ct})$ , outside that range: $\pm (4 \%RH \pm 1 \text{ ct})$ |
| Response time (66%)   | 60 s                                                                                                |

### TEMPERATURE

|                             |                                                                                                                                                   |                      |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of sensor              | Temperature sensor with semiconductor                                                                                                             |                      |
| Measurement range           | - 10.0 to + 60.0°C                                                                                                                                | 14.0 to + 140.0°F    |
| Resolution                  | Display in °C: 0.1°C                                                                                                                              | Display in °F: 0.1°F |
| Intrinsic uncertainty in °C | 10 to 40°C: $\pm (0.5^\circ\text{C} \pm 1 \text{ ct})$<br>outside that range: $\pm (0.032 \times (T-25) \pm 1 \text{ ct})$ / T= temperature in °C |                      |
| Response time (66%)         | 30 s                                                                                                                                              |                      |

### DEW POINT

|                   |                      |                      |
|-------------------|----------------------|----------------------|
| Measurement range | - 20.0 to + 60.0°Ctd | -4.0 to + 140.0 °Ftd |
| Resolution        | Display in °C: 0.1°C | Display in °F: 0.1°F |

### FUNCTIONS

|                     |                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recording           | <b>Manual Start / Stop on the product</b> short press for MEM spot recording / Long press for REC recording at the rate of the current mode<br><b>Programmed recording:</b> start date, recording interval (1 minute to 2 hours) and end date defined using the PC software |
| Alarms              | Alarm thresholds settable in the software / Recording can be triggered on an alarm threshold                                                                                                                                                                                |
| Data storage        | More than 1 million points                                                                                                                                                                                                                                                  |
| Min-Max-Hold        | Yes                                                                                                                                                                                                                                                                         |
| Units               | °C or °F / %RH                                                                                                                                                                                                                                                              |
| Backlighting        | Yes                                                                                                                                                                                                                                                                         |
| Automatic power-off | Yes (configurable)                                                                                                                                                                                                                                                          |

### POWER SUPPLY

|              |                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Type         | 3 x 1.5V AA / LR6 alkaline batteries<br>Connection to the mains possible with the mains / micro-USB adapter offered as an accessory |
| Battery life | 1,000 hrs (portable mode) / 3 years of recording (15-minute measurement interval)                                                   |

### PHYSICAL SPECIFICATIONS

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces              | 2 possible communication modes: Bluetooth wireless link and USB                                                                    |
| Mounting                | Casing equipped with a magnet, a wall-mount system and a slot for suspending the product<br>Compatible with the Multifix accessory |
| Dimensions / weight     | 187 x 72 x 32 mm / 260 g with batteries                                                                                            |
| Ingress protection      | IP54 casing                                                                                                                        |
| Product operating range | Temperature: -10 to +60 °C / Humidity: 10 to 90 %RH                                                                                |
| Compliance              | IEC61010-1 / IEC 61326-1                                                                                                           |

### GENERAL SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data Logger Transfer Windows PC software functions | Display as a graph or a table of values / Data export in graph or Excel table form<br>Real-time mode / Automatic report generation in Word format / Data format compatible with the Dataview software offered as an accessory |
| Warranty                                           | 2 years                                                                                                                                                                                                                       |

### Accessories / Replacement parts

|                                                   |            |
|---------------------------------------------------|------------|
| 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 + Battery charger ..... | HX0053     |

### Standard state at delivery:

**Bag, 3 x 1.5 V AA batteries, USB cable, test report and quick start-up guide** (complete manual and Data Logger Transfer software available on the Chauvin Arnoux website)



TO ORDER

**C.A 1246 Logger thermo-hygrometer**  
..... P01654246

**FRANCE**  
**Chauvin Arnoux**  
190, rue Championnet  
75876 PARIS Cedex 18  
Tél : +33 1 44 85 44 85  
Fax : +33 1 46 27 73 89  
info@chauvin-arnoux.fr  
www.chauvin-arnoux.fr

**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

**MIDDLE EAST**  
**Chauvin Arnoux Middle East**  
P.O. BOX 60-154  
1241 2020 JAL EL DIB - LEBANON  
Tel: +961 1 890 425  
Fax: +961 1 890 424  
camie@chauvin-arnoux.com  
www.chauvin-arnoux.com

 **CHAUVIN  
ARNOUX**  
GROUP