# CHAUVIN ARNOUX

## CA 1227
### Logger Thermo-Anemometer

12 m/s

27 mph

30 m³/h

# Measure air speed and **flow rate in all situations**

Double backlit display

MAP mode

Min, Max, Average and Hold functions

Spot or continuous recording up to 1 million points

Data Logger Transfer
Automatic report generation

Application Android
CA Environmental
Loggers

Eco Conception

USB

Bluetooth®

*Measure up*

# C.A 1227 Logger Thermo-Anemometer

## AIR SPEED AND FLOW RATE

| | Speed | Flow rate |
|---|---|---|
| **Type of sensor** | Vane / optical detection | |
| **Measurement range** | 0.50 m/s to 27.0 m/s (98.0 to 5314.0 fpm) | 0.00 to 2,999 m³/h |
| **Resolution** | 0.01 m/s (0.50 to 2.99 m/s) / 1 fpm to 5,314 fpm<br>0.1 m/s (3.0 to 27.0 m/s) / 1 fpm (100 to 6,850 fpm) | 0.01 m³/h (0.00 to 2.99 m³/h)<br>0.1 m³/h (3.0 to 99.9 m³/h)<br>1 m³/h (100 to 2,999 m³/h) |
| **Intrinsic uncertainty** | ± 3 % of reading ± 0.1 m/s | ± 8% of reading |

## TEMPERATURE

| | |
|---|---|
| **Type of sensor** | CTN |
| **Measurement range** | -20.0 °C to +50.0 °C/ -4 °F to +122 °F |
| **Resolution** | Display in °C: 0.1°C Display in °F: 0.1 °F |
| **Intrinsic uncertainty in °C** | 0 to 50 °C: ± 0.8 °C / -20 °C to 0 °C: ± 1.6 °C |

## FUNCTIONS

| | |
|---|---|
| **Recording** | **Manual Start / Stop on the product:** short press for MEM spot recording / Long press for REC recording at the rate of the current mode<br>**Programmed recording:** start date, recording interval (From 1 second to 1 hour) and end date defined using the PC software |
| **Data storage** | More than 1 million points |
| **Min-Avg-Max-Hold** | Yes |
| **MAP mode** | The MAP function can be used to map the air speeds measured |
| **Flow-rate measurement** | Yes: direct reading with the cones proposed as accessories or on the basis of a surface defined by the user. |
| **Backlighting** | Yes |
| **Units** | **Air-speed units:** m/s, km/h, fpm, mph - **Air flow-rate units:** m³/s, m³/h, l/s, cfm |
| **Automatic power-off** | Yes (configurable) |

## POWER SUPPLY

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|---|---|
| **Type** | 3 x 1.5V AA / LR6 alkaline batteries<br>Mains connection possible with the mains / micro-USB adapter offered as an accessory |
| **Battery life** | 200 hrs (portable mode) / 8 days of recording (15-minute intervals) |

## 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 °C to +60 °C / Humidity: 10 % to 90 %RH |
| **Compliance** | IEC 61010-1 / 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

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
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 alkaline batteries, USB cable, verification certificate and quick start-up guide** (complete manual and Data Logger Transfer software available from the Chauvin Arnoux website)



| TO ORDER | **C.A 1227 Logger thermo-anemometer** ................................ P01654227 |
|---|---|

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