



## C.A 1227 Logger Thermo-Anemometer

12 m/s

27 mph

30 m<sup>3</sup>/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



Measure up



12 m/s

## C.A 1227 Logger Thermo-Anemometer

### AIR SPEED AND FLOW RATE

Type of sensor	Vane / optical detection	
	Speed	Flow rate
Measurement range	0.50 m/s to 27.0 m/s (98.0 to 5314.0 fpm)	0.00 to 2,999 m <sup>3</sup> /h
Resolution	0.01 m/s (0.50 to 2.99 m/s) / 1 fpm to 5,314 fpm 0.1 m/s (3.0 to 27.0 m/s) / 1 fpm (100 to 6,850 fpm)	0.01 m <sup>3</sup> /h (0.00 to 2.99 m <sup>3</sup> /h) 0.1 m <sup>3</sup> /h (3.0 to 99.9 m <sup>3</sup> /h) 1 m <sup>3</sup> /h (100 to 2,999 m <sup>3</sup> /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	<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 <b>Programmed recording:</b> 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	<b>Air-speed units:</b> m/s, km/h, fpm, mph - <b>Air flow-rate units:</b> m <sup>3</sup> /s, m <sup>3</sup> /h, l/s, cfm
Automatic power-off	Yes (configurable)

### POWER SUPPLY

Type	3 x 1.5V AA / LR6 alkaline batteries 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 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 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 ..... HX0063



### Standard state at delivery:

**Bag, 3 x 1.5 V AA alkaline batteries, USB cable, test report 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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