C.A 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

Eco Conception

USB

Bluetooth®

Measure up

CHAUVIN ARNOUX

C.A 1227 Logger Thermo-Anemometer

AIR SPEED AND FLOW RATE

Type of sensor	Vane / optical detection	
	Speed	**Flow rate**
Measurement range	0.25 m/s to 35.0 m/s (49.0 to 6890.0 fpm)	0.00 to 2,999 m3/h
Resolution	0.01 m/s (0.25 to 2.99 m/s) / 0.1 fpm (49.0 to 99.9 fpm) 0.1 m/s (3.0 to 35.0 m/s) / 1 fpm (100 to 6,850 fpm)	0.01 m3/h (0.00 to 2.99 m3/h) 0.1 m3/h (3.0 to 99.9 m3/h) 1 m3/h (100 to 2,999 m3/h)
Intrinsic uncertainty	± 3 % of reading ± 4 counts	± 8% of reading

TEMPERATURE

Type of sensor	CTN
Measurement range	- 20.0 to + 50.0 °C/ - 4 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 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 **Programmed recording:** start date, recording interval (1 minute to 2 hours) 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

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 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 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 210mm and rectangular cross-section 346x346mm) P01654250
Vane sensor Ø80mm 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, 3x 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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