

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



12 m/s

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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 m ³ /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 m ³ /h (0.00 to 2.99 m ³ /h) 0.1 m ³ /h (3.0 to 99.9 m ³ /h) 1 m ³ /h (100 to 2,999 m ³ /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: m ³ /s, m ³ /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	P011021002
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
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