

CA 1550

Logger micromanometer



For pressure-free measurement!

- Differential air pressure, speed and flow rate measurement
- Manual or automatic temperature compensation
- Compensation of atmospheric pressure
- MAP mode
- Min, Max, Average & Hold modes
- Recording of snapshots or continuous recording of up to 1 million points
- Magnetized product compatible with the Multifix accessory!



Data Logger Transfer
Automatic report generation



Android application
CA Environmental
Loggers



Measure up



CA 1550 Logger Micromanometer

Differential pressure

Measurement range	-2,450 to +2,450 Pa	- 0.355 to + 0.355 PSI
Resolution	0.1 Pa for measurements between ±200 Pa / 1 Pa beyond that	0.001 PSI
Intrinsic uncertainty in Pa	± 0.5 % full scale ± 1 ct	

Air speed and flow rate

Type of sensor	With Pitot tube as an accessory	
Air speed measurement range	2 m/s to 60 m/s	393 to 9,999 fpm
Resolution	0.1 m/s	1 fpm
Intrinsic uncertainty in m/s	2 to 5 m/s: ± 0.7 m/s / 5 m/s to 60 m/s: ± 0.5 % reading ± 0.3 m/s	
Air flow rate measurement range	0.00 to 9999 m³/h	0.00 to 9999 cfm
Resolution	0.01 m³/h to 1 m³/h	0.01 cfm to 1 cfm
Intrinsic uncertainty	± 0.5 % reading ± 1 ct	
Compensations	Manual or automatic temperature compensation (K thermocouple input) Automatic compensation of atmospheric pressure	

Functions

Recording	Manual start and stop on the product - Short press on MEM: snapshot recording Long press on REC: recording at the rate of the current mode - Programmed recording Start date, recording rate (from 1 per second to 1 every 2 hours) and the end date can be customized with the PC software. It is possible to lock the display and keypad in this mode
Display modes / backlighting	Double display with indication of the differential air pressure, speed or flow rate, atmospheric pressure & temperature / Yes
Data storage	More than 1 million points
Min-Average-Max-Hold	Yes
Auto-Zero	Yes
MAP mode	The MAP function can be used to map the air speeds measured.
Units	Pressure measurement units: Pa, PSI, DaPa, hPa, mbar, mmHg, inHg, mmH2O, inH2O - Air speed units: m/s and km/h or fpm and mph, Air flow rate units: m³/s, m³/h, l/s or cfm - Temperature: °C, °F
Automatic power-off	Yes (configurable)

Power supply

Type	- Alkaline batteries: 3 x 1.5V AA / LR6 or NiMH rechargeable battery - Mains connection possible with the mains / micro USB adapter available as an accessory
Battery life	500 hrs (portable mode) / 3 years for recording (15-minute measurement interval)

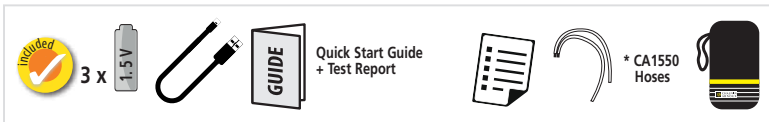
Physical specifications

Interfaces	2 communication modes: Bluetooth wireless link and USB link; the product is then recognized as a USB key for easy file transfer.
Mounting	Casing equipped with a magnet, a wall-mount system and a slot for suspending the product. Compatible with the Multifix accessory. Sheath available as an accessory.
Connections	Pressure intake via Ø 6 mm connection, 1 miniature female compensated input for K thermocouple
Dimensions / weight	150 x 72 x 32 mm / 260 g with batteries
Operating range of product	Temperature: -10 to +50 °C / Humidity: 10 to 90 %RH

General specifications

Logger Control Panel software functions	Representation as a graph or value table , data export in graph form or as an Excel spreadsheet, configuration of the product and recordings, real-time mode, automatic report generation in Word format, data format compatible with the Dataview software
Android application	Yes, application CA Environmental Logger
Warranty	2 years

STANDARD STATE AT DELIVERY:



(Carrying bag, 3 x 1.5 V AA alkaline batteries, 2 transparent connection hoses, USB cable, test report and Quick Start Guide).
Complete User's Manual and free software available from the Chauvin Arnoux website.

TO ORDER:

CA 1550 logger micromanometer.....	P01654550
Kit of CA 1550 + Pitot Tube	P01654555

ACCESSORIES / REPLACEMENT PARTS:

Pitot tube (length 324 mm, Ø 6 mm fitting, Ø at tube mouth 8 mm).....	P01654560
Transparent hose (Internal Ø 5 mm, length 2 metres).....	P01654561
Shockproof sheath + Multifix	P01654252
Multifix	P01102100Z
Mains adapter.....	P01651023
Carrying bag.....	P01298075
Metal case.....	P01298004
Dataview software.....	P01102095
Modem Bluetooth BLE / USB for PC.....	P01654253
NiMH AA/LR6x4 batteries + Charger.....	HX0053
SK6 K-thermocouple sensor	P03652906

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