

Portable Air Velocity Meter

Accurate and Reliable Airflow Measurement in a Compact Design

Model : PAM - 204



Introduction

Airflow measurement is a critical parameter in numerous industries, including HVAC (Heating, Ventilation, and Air Conditioning), environmental monitoring, cleanroom validation, and industrial process control. Accurate air velocity readings are essential for ensuring system efficiency, maintaining indoor air quality, complying with safety standards, and optimizing energy consumption.

Recognizing the need for a reliable and user-friendly instrument, we introduce the **Portable Air Velocity Meter**—a state-of-the-art device engineered to deliver precise airflow measurements in a compact and rugged form factor. This meter is designed with professionals in mind, offering a blend of advanced technology and practical features that make it an indispensable tool in the field.

In essence, the Portable Air Velocity Meter is not just a measuring instrument; it's a comprehensive solution that empowers professionals to perform their tasks with greater accuracy, efficiency, and confidence.

Key Features

- ✓ **Measurement Ranges:** 0-1 m/s & 197 fpm, 0-2 m/s & 394 fpm, 0-5 m/s & 984 fpm, 0-10 m/s & 1967 fpm, 0-20 m/s & 3937 fpm (any once factory presettable)
- ✓ **Resolution:** 0.001 m/s / 1 fpm
- ✓ **Accuracy:** $\pm 5\%$ of full scale
- ✓ **Display:** 2.8" True Colour TFT touchscreen
- ✓ **Inbuilt data logging with huge memory space**
- ✓ **Data Download:** Via USB Type-C to PC software (Sansel-Soft-01) (Optional)
- ✓ **Calibration:** Multipoint calibration feature available
- ✓ **Alarms:** Audible and visible; user-settable high and low thresholds
- ✓ **Battery:** Integrated 3.7V / 10,000 mAh rechargeable Li-ion
- ✓ **Adjustable Settings:** Backlight timing, brightness, touch sound
- ✓ **Housing:** ABS with anti-slip grip silicon cover
- ✓ **Protection Class:** IP40

Applications

- ☐ **HVAC System Testing and Balancing:** Ensure optimal airflow in heating, ventilation, and air conditioning systems.
- ☐ **Environmental Monitoring:** Measure natural wind speeds for meteorological studies.
- ☐ **Industrial Airflow Measurements:** Monitor and control airflow in industrial processes.
- ☐ **Cleanroom Verification:** Maintain air quality standards by measuring laminar flow in cleanrooms.
- ☐ **Ventilation System Maintenance:** Assess the performance of exhaust and supply fans.

Technical Specifications

Parameter	Specification
Measurement Range	0-1 m/s & 197 fpm, 0-2 m/s & 394 fpm, 0-5 m/s & 984 fpm, 0-10 m/s & 1967 fpm, 0-20 m/s & 3937 fpm (any once factory Presettable)
Resolution	0.001 m/s / 1 fpm
Accuracy	$\pm 5\%$ of Full Scale
Display	2.8" True colour TFT with touch screen
Application environment range	-10 to 60 °C ; 0 to 100% RH (non condensed)
Storage environment range	-10 to 45 °C ; 10 to 90% RH
Display refresh rate	1 second (typical)

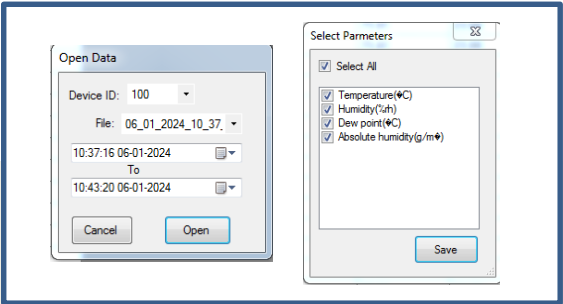
Data logging interval *	1 sec to 24 Hours (user selectable) (Only for PAM 204-A)
Data download *	Via USB C-type to PC software (Sansel-Soft-01) (Only for PAM 204-A)
Calibration	Multipoint Calibration feature available
Alarm	Audible & Visible user settable individual High & Low alarm set with alarm mode selection
Touch sound	On / Off option available
Battery charging port	USB C-type
Integrated battery	3.7V / 10,000 mAh Inbuilt rechargeable polymer Li-ion battery
Backlight time interval	OFF to 59 mins : 59 secs (user adjustable)
Brightness adjustment	10 to 100% (user adjustable)
Housing Material	ABS with anti-slip grip silicon cover
Protection class	IP40
Dimension (L x B x H)	35 x 80 x 165 mm
Weight	560 g (Approx.)

Note: Specifications are subject to change without prior notice.

Model identification & ordering code

Ordering Code	Standard Model (Without Logger)	* Advanced Model (With Data Logger)
	PAM 204	PAM 204-A

SANSEL Soft 01 (version 1.0)



Sansel Soft 01 is the ultimate data analysis software designed to import data from

PAM 204-A models. It enables ultra-fast downloading of stored data and converts it into visually compelling graphs through a user-friendly interface. Customize and enhance your visualizations, apply filters, and print directly from the tool. Perfect for laboratories, research institutes, hospitals, and food industries, Sansel Soft 01 is your go-to solution for powerful and easy data visualization. Where data meets design, Sansel Soft 01 delivers insights at your fingertips.

Note: PAM 204-A is an ordering code indicating the model with built-in data logger.

(P.T.O)

Features

- ✓ Ultra fastest download data's in fraction of seconds from PAM 204-A model to PC local database & analyze.
- ✓ Data Report & Graph view with user selectable parameters for both USB connected PAM 204-A instrument's storage data and old Database stored data's in local PC.
- ✓ Report export in CSV & PDF format.
- ✓ Graph export in PNG & PDF format.
- ✓ Easy customized filter option available based on both Report & Graph view by Date & time for selected parameters.
- ✓ User selectable report Title, subtitle & logo for both Report & Graph.
- ✓ User selectable graph Title, X-label, Y-label, maker scale, Auto scale.
- ✓ Multiple PAM 204-A Model possible to connect and download data one by one in single software.
- ✓ Software license key protection available to protect your software to misuse by unauthorized user in different PC.

Standard Delivery

1. Basic Instrument with sensor 2m cable
2. Charger with cable
3. Instruction manual

Optional

1. Protective Carrying Case
2. SANSEL-SOFT-01 software for PAM 204-A
3. ISO/IEC 17025 Accredited Calibration Certificate

Important

Logged data can be downloaded, analysed, and printed only using the SANSEL-SOFT-01 software. Without this software, data retrieval is not possible



Carrying Case



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES LLP

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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