Portable Air Velocity Meter / Data logger
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:** 0.01 m/s & 1 fpm
- ✓ **Accuracy:** ±5% of full scale
- ✓ **Display:** 2.8" True Colour TFT touchscreen
- ✓ **Operating Conditions:** -10 to 60 °C; 0 to 100% RH (non-condensing)
- ✓ **Storage Conditions:** -10 to 45 °C; 10 to 90% RH
- ✓ **Data Recording:** Huge Logging Memory upto 16 GB
- ✓ **Data Logging Interval:** User-selectable from 1 second to 24 hours
- ✓ **Data Download:** Via USB Type-C to PC software (Sansel-Soft-01)
- ✓ **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
- ✓ **Charging Port:** USB Type-C
- ✓ **Adjustable Settings:** Backlight timing, brightness, touch sound
- ✓ **Housing:** ABS with anti-slip grip silicon cover
- ✓ **Protection Class:** IP40
- ✓ **Dimensions:** 35 x 80 x 165 mm (L x W x H)
- ✓ **Weight:** Approximately 560 g

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	0.01 m/s & 1 fpm
Accuracy	± 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)
Datalogging Interval	1 sec to 24 Hours (user selectable)
Data download	Via USB C-type to PC software (Sansel-Soft-01)
Calibration	2 point Calibration feature available
Alarm	Audible & Visible, user-settable high & low alarms
Touch sound	On / Off option available
Battery charging port	USB C-type
Integrated battery	3.7 V / 10,000 mAh rechargeable Li-ion battery
Backlight time interval	Adjustable from OFF to 59 mins : 59 secs
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.

Included Accessories

- USB C-Type Data Cable
- Calibration Certificate
- User Manual
- Protective Carrying Case

Optional

- ISO/IEC 17025 Accredited Calibration Certificate
- PC Interface Software