

DATA SHEET: ACH-II Air Capture Hood

High-Precision Measurement for Air Volume, Velocity, and Differential Pressure

1. PRODUCT OVERVIEW

The **ACH-II** is a professional-grade instrument designed to measure the air volume flowing through diffusers, grilles, and air outlets. It provides high accuracy and reliability, simultaneously detecting air volume, velocity, temperature, and humidity. With its lightweight design and large data storage capacity, it is an essential tool for HVAC balancing and cleanroom validation.

2. KEY FEATURES

- Multi-Parameter Detection:** Simultaneously monitors air volume, velocity, temperature, and humidity.
- Large Data Storage:** Stores up to 64 groups of air volume data (72 points per group) and 2500 differential pressure records.
- Smart Data Export:** Supports USB disk for data export and optional WiFi connectivity for printer data.
- User-Friendly Interface:** High-resolution display with Chinese-English language switching and buzzer alarm function.
- Versatile Units:** Instant conversion of displayed units between m³/h and ft³/min (CFM).
- Extended Operation:** High-capacity lithium battery supports up to 6 hours of continuous field use.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Air Volume Range	40 ~ 3600 m ³ /h
Air Volume Accuracy	± 5% FS
Diff. Pressure Range	-125 Pa ~ 125 Pa
Diff. Pressure Accuracy	± 1% FS
Temp. & Humidity	Temp: -40 ~ 105 °C / Humidity: 0 ~ 100 RH%
H&T Resolution	Temp: 0.1 °C / Humidity: ± 3% RH
Standard Hood Size	610 × 610 mm (24" × 24")
Power Supply	Internal Li-battery (6 hours continuous use)
Dimensions (Standard)	610 × 610 mm base
Weight	4.5 kg (with standard hood)

4. OPTIONAL HOOD SIZES

- 915 × 915 mm (36" × 36")
- 760 × 760 mm (30" × 30")
- 610 × 1220 mm (24" × 48")
- 305 × 1220 mm (12" × 48")
- 305 × 1520 mm (12" × 60")

5. STANDARD ACCESSORIES

- ACH-II Base Unit & Standard Hood (610x610mm)
- USB Data Drive
- Power Adapter & Battery Charger
- **Factory Calibration Report**
- User Manual

Manufactured by:

Honri Airclean Technology (Suzhou) Co., Ltd.