

INDOOR AIR QUALITY

**CLEAR THE AIR
OF INVISIBLE
POLLUTANTS**



cps[®]

Advanced Tools
Smart Solutions

SMART INDOOR_{AIR} QUALITY METER

IAQ PRO SmartAir™

The industry's first smart tool that helps HVAC professionals identify indoor air quality issues, determine potential causes, and recommend effective solutions. The SmartAir™ diagnostic program is designed for the residential market, but has the accuracy and performance to measure indoor air quality in commercial environments as well.

Become an air quality professional

The SmartAir's sensors test 8 air quality factors every second. Simply place the SmartAir device in the area to be tested and begin the test. Test results include numerical air quality data plus recommendations to solve air quality problems.

Sell additional products and services

The CPS Link™ app generates a customizable report of products, services and prices for the technician to resolve any air quality problems.

Instantly share a job snap-shot

While viewing live air quality data on a mobile device, technicians can take a snapshot or generate a full report for instant e-mailing to clients, the company office, others.



INDOOR AIR QUALITY



CPS Link™ app
US Patent No. 9,043,161



8 Air Quality Factors:

Volative Organic Compounds (VOC's)

Detects the presence of Volatile Organic Compounds (chemical pollution) commonly given off by interior building materials such as carpet, paint, upholstery, vinyl flooring, cleaning products, cosmetics, burning wood, etc.

Carbon Dioxide (CO₂)

Uses an NDIR (Non-Dispersive Infrared) sensor to detect carbon dioxide (non-combustible gas) formed during respiration, organic decomposition or combustion. CO₂ may threaten humans if breathed in high enough concentrations.

Particulate Matter (PM_{2.5} & PM₁₀)

Measures the amount of inhalable particulate matter that can penetrate lungs and cause health problems. Examples include dust, pet dander, pollen and other airborne substances less than 2.5 and 10 microns in size.

Temperature, Humidity, Dew Point and Pressure

Measures indoor air Temperature, Dew Point Temperature, Relative Humidity and Building Pressure, any one or all of which may adversely affect building occupants or the building itself.



AIRFLOW CAPTURE HOOD

ABM HOOD or
ABM HOOD 200 (Includes **ABM-200** airflow meter)

Lightweight and compact

Weighs less than 5 pounds

Affordable

The EasyHood costs hundreds or thousands less than competitive models!

Easy Operation

No complicated data entry needed. No traversing a grille like competitive models. Automatically generates test and balance reports. Easily share job data to validate performance.

Our airflow capture hood features:

- Adjustable spring-lock smartphone platform
- Vortex air straightener
- Rubber grip handles
- Durable molded housing
- Built-in rubber airflow seal



Capture more than just airflow readings with the ABM EasyHood™.

- Use your smartphone running the CPS Link™ app to measure, display, store and send data
- Measures temperature, wet bulb, dew point and relative humidity (ABM-200 Meter)
- Easy operation with online guidance and visual instruction

Easy-to-use CPS Link™ app makes airflow analysis a breeze!

CPS Link™ combines our patented communication technology built inside every CPS smart tool with powerful analytical and integrated management software.



HOME BALANCING VALVES

ABMHBK & ABMHBV Series

Traditional airflow balancing devices cannot respond to system changes. Too much ventilation means wasted energy, while too little ventilation leads to poor air quality.

CPS Home Balancing Valves are designed to maintain a constant, accurate airflow volume when installed in residential forced air ductwork. Each Home Balancing Valve has an engineered damper calibrated to automatically adjust to varying pressures, which gives the airflow valves true pressure independence. This leads to greater comfort, saves energy and improves indoor air quality.

Available in 4", 5" and 6" sizes.
ABMHBK Series: Boxes of 10
ABMHBV Series: Single pack boxes



CPS Link™ app

Use the convenient "Room Airflow Calculator" within the CPS Link app to help determine the CFM setting of the Home Balancing Valves to use in each room of your home.



AIRFLOW & BALANCING

AIRFLOW METER ABM-100

The ABM-100 plugs into a smart device and instantly converts air speed into air volume and records the data.

Accurately measures airflow in:

Linear feet per minute, cubic feet per minute, cubic meters per hour, linear meters per second

- Portable, fits in your pocket
- Easy to use – no math or formulas to remember
- Automatically generates and emails detailed reports
- Rugged packaging serves as a reusable storage case
- 2.5" H x 1.75" W x .75" D



AIRFLOW AND ENVIRONMENTAL METER ABM-200

Measures and records a variety of data, including: Airflow velocity, airflow volume, dry bulb temperature, wet bulb temperature, relative humidity, feels like temperature, dew point, air density, wind speed/direction/gusts, indoor vs. outdoor conditions and barometric pressure.

- On-screen guidance ensures accurate readings
- Rugged housing with 1/4" 20 mount fitting for hands-free use
- Attach to the EXP-64 – a 64" aluminum extension pole (sold separately) to take readings without using a ladder
- Emails personalized, professional reports
- 3.3" H x 1.8" W x 0.6" D

TEMPERATURE AND HUMIDITY DATA LOGGER TS-100

Easy to use and accurate, produces readings for: dry & wet bulb temperatures, relative humidity, feels like temperature, dew point

- Data Log stores the last 20,000 temperature and humidity readings that can be uploaded to your smart device for review and to generate professional reports
- Increases productivity, safety & enhances professionalism
- Includes a 1/4"-20 metal D-ring connector, key chain split-ring and alligator clip for mounting in various configurations
- Can be mounted on the EXP-64 Extension Pole or TRI-MIN Tripod – no ladder needed!
- Emails professional personalized reports



TS-100-6PK (Temperature and Humidity Data Logger)

Our convenient 6-pack data logger kit makes it easy and cost effective to deploy multiple meters. Each meter can be individually named to make tracking data easy.



Use your smartphone as a display with all ABM products for accurate and affordable real-time airflow readings in seconds



CPS Link™ app

STATIC PRESSURE METER & PROBE KIT SPM-K1

The SPM-K1 kit is the must-have smart tool that combines our popular **SPM-100** manometer with our **PRB-KIT** and a brass gas fitting. This powerful and accurate dual port manometer harnesses the power of the smartphone to perform tests quickly, easily and accurately. Simple, intuitive and accurate readings for: static pressure, pressure differential, indoor vs. outdoor pressure, total external static pressure, gas pressure.

- Imports local weather data to ensure accurate testing
- Rugged housing with magnetic back for hands-free operation
- Two color coded (Red and Blue) stainless steel probes
- Two 6 ft. (1.8 m) rubber tubes
- One gas manifold fitting (brass)



STATIC PRESSURE PROBE KIT PRB-KIT

Accurately measure and record: Static pressure, pressure differential, indoor/outdoor pressure, system external static pressure, gas pressure test.

Includes:

- Two color coded (lower case Red and Blue) stainless steel probes with magnetic bases
- Two 6 ft. (1.8 m) rubber tubes
- One gas manifold fitting (brass)
- Plastic storage case with color sleeve

STATIC PRESSURE METER SPM-100

Harnessing the power of your smartphone or tablet with a free app that provides on-screen guidance, the SPM-100 takes the guesswork out of accurately measuring static pressure! Simple, intuitive, and accurate readings for: static pressure, pressure differential, indoor vs. outdoor pressure, system external static pressure.

- Automatically imports local weather data based on GPS location
- Easily emails professional, detailed reports
- Rugged, weather resistant housing with hands-free magnetic holder



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