CPS®

Product Sheet

AIRFLOW METER
ABM-100

The ABM-100 is a compact, portable anemometer that captures air *speed* values from air supply or air return vents in residential or commercial buildings, and converts these values into air *volume* readings.

To provide airspeed and airflow readings, the ABM-100 plugs into a smartphone or other mobile device (see below) running the latest, free CPS Link™ app. Grille or duct dimensions are then entered using the smart device display, and the ABM-100 is held in front of a grille or duct opening. Data can then be viewed, stored in a history log, or emailed from the smart device.

For even faster, more convenient airflow analysis, attach the ABM-100 inside the ABM EasyHood (see below). In this mode, there is no need to calculate opening size, nor estimate the grille AK factor. Airflow volume is also faster to obtain since it isn't necessary to move the meter across the grille.

KEY FEATURES
- Free CPS Link™ app provides on-screen guidance for for fast, intuitive, easy-to-use airflow analysis:
  - Linear feet/minute
  - Cubic feet/minute
  - Linear meters/second
  - Cubic meters/hour
- Test And Balance Report- Automatically generated from data collected.
- Geolocation feature - to record where and when job performed
- Send professional jobsite reports by email
- Add custom notes to each reading if desired
- Ability to adjust the free space calculation (if grille is present).
- Select from 4 languages to work in (English, French, Spanish, German)
- Compatible with iPhone, iPad, iPod, and all major Android devices

Ways to attach ABM-100 for airflow analysis

Plug into mobile device (not included)
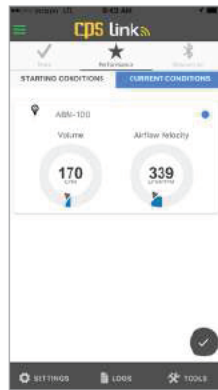
Mount inside ABM EasyHood (sold separately)

Connect with us on social media

SPECIFICATIONS

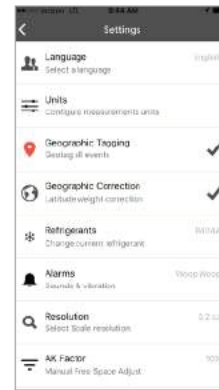|	
Operational temperature range	-40°F to +185°F (-40°C to +85°C)
Operational temperature range full accuracy	-32°F to +149°F (0°C to +65°C)
Power source	Smart device
Auto power off	30 seconds after minimizing app or no connection
Air Volume Units (Selectable)	CFM or M^3/H
Air Velocity Units (Selectable)	LFM, LM/S
Length/Width Units (Selectable)	Inches or centimeters (for duct opening)
Velocity Range	160 FPM to 11,000 FPM (1 m/s to 56 m/s)
Velocity Accuracy	+/- 0.5% of reading at up to 15° off-axis
Resolution	1 FPM (0.1 M/S).
CPS Link™	Patented modular test and measurement system technology (US Patent No. 9,043,161)
Warranty	1 year

ABM-100 packed in
clamshell (included)

FREE CPS LINK™ APP DOWNLOAD

Download on the App Store
All iPhones, iPads,
and iPods

GET IT ON Google Play
Most Android phones

EASY ON-SCREEN GUIDANCE TO RECEIVE, STORE & SEND DATA
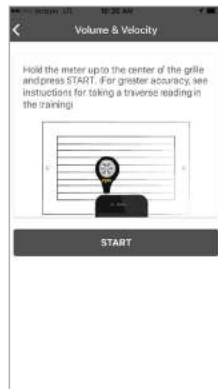
Current conditions screen

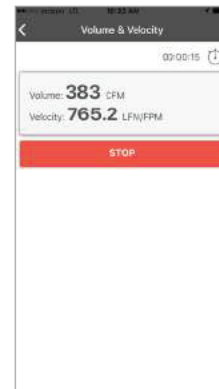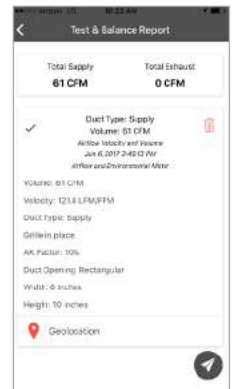*Settings*

Enter duct information

*On screen guidance
for measuring airflow*

*Volume & Velocity
test screen*

*Test & Balance
Report*

PACKAGING

	CLAMSHELL			INTERMEDIATE CARTON				MASTER CARTON			
	L x W x H	Weight	Bar Code	L x W x H	Weight	Qnt	Bar Code	L x W x H	Weight	Qnt	Bar Code
ABM-100	4.20 x 2.20 x 1.00 inches (107x 56 25 mm)	0.125 lb 0.06 kg	850470006077	7.00 x 5.10 x 4.80 inches (178 x 130 x 122 mm)	1.69 lb 0.76 kg	12	10850470006074	10.50 x 7.30 x 10.50 inches (267x 185 x 267 mm)	7.31 lb 3.31kg	48	20850470006071