

TECHNICAL DATA SHEET



Dwyer Air Hood Balancing Instrument

DESCRIPTION

Dwyer Air Hood Balancing Instrument with quad flow design technology and predictive balancing. Accurate and reliable alternative to HVAC Balometer air balancing. Wireless, Wi-fi direct communications give reliable communication up to a distance of 180 metres. Includes hood stand and polypropylene base hood. Quad flow design technology controls air flow and minimizes back pressure which increases measurement accuracy. Lightweight and ergonomic design allows for easy manoeuvring.



TECHNICAL SPECIFICATION

Material	Polypropylene
Agency Approvals	CE, FCC, IC, RCM
Product Applications	Commissioning, testing, adjusting and balancing volumetric air flow from diffusers, grilles, and registers in HVAC systems.

FEATURES

- Quad flow design technology
- Included polypropylene base hood and hood stand
- Wireless and Wi-fi direct communications
- Lightweight, ergonomic design
- PredictAir application software
- Predictive balancing
- Single operator

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SPECIFICATIONS

Service	Air
Units	Cubic feet per minute (CFM), cubic meter per hour (M ³ /H), cubic meter per second (M ³ /S), litre per minute (l/min), litre per hour (l/hour), litre per second (l/s)
Volume Flow Ranges	Cubic feet per minute (CFM), cubic meter per hour (M ³ /H), cubic meter per second (M ³ /S), litre per minute (l/min), litre per hour (l/hour), litre per second (l/s). Volume Flow Ranges:: Supply: 40 to 2000 CFM (68 to 3398 m ³ /h) (19 to 944 l/s); Exhaust: 80 to 2000 CFM (136 to 3398 m ³ /h) (38 to 944 l/s)
Accuracy > 40 CFM	±3% of reading ±7 CFM (11.9 m ³ /hr) (3.3 l/s)
Resolution	1 CFM (1.7 m ³ /h) (.5 l/s)
Power Requirements	3.6 V NCR18650B MH12210 Li-ion rechargeable battery (included), or (4) AA alkaline 1.5 V batteries (not included)
Housing Material	Polypropylene
Weight of Hood	5.75 lb (2.6 kg)
Supported Devices	UHH6 and newer, and smart devices with Android® firmware version 8.0 and above or iOS® version 14.1 and above
Software	SMART Air Hood® application software, available on the Google Play™ store and the Apple App Store®
Wireless Protocol	Wi-Fi wireless technology
Response Time	1s
Compliance	CE, FCC, IC, RCM (-AU model only)