



The PH731 ProHood Capture Hood is a multipurpose electronic air balancing instrument primarily used for efficiently taking direct air volume readings at diffusers and grilles. It features a detachable Micromanometer which can be used with optional probes for increased flexibility in multiple measurement applications. Offering durable, trouble-free operation, this lightweight, ergonomically designed capture hood kit saves time and money by combining multiple measurement tools into one package. The PH731 ProHood Capture Hood helps you create healthy and energy efficient environments while meeting local codes, guidelines and regulations for ventilation systems.

Available Hood Sizes:

	Imperial	Metric
Standard	2 ft x 2 ft	610 mm x 610 mm
Optional	2 ft x 4 ft	610 mm x 1220 mm
	1 ft x 4 ft	305 mm x 1220 mm
	1 ft x 5 ft	305 mm x 1525 mm
	3 ft x 3 ft	915 mm x 915 mm
	16 in. x 16 in	406 mm x 406 mm
	5.25 in. x 4 ft	133 mm x 1220 mm
	28 in. x 28 in	710 mm x 710 mm
	28 in. x 50 in	710 mm x 1270 mm
BSC	8 in. x 22 in.	205 mm x 560 mm
	801205 10 in. x 22 in.	255 mm x 560 mm

The BSC hood kits are used to certify Class II bio-safety cabinets by taking direct in-flow measurements for NSF compliance.

Features and Benefits:

- Ergonomic design and ultra lightweight for easy one person operation
- Automatically senses and displays supply or return flows, saving time on the job
- Ergonomic design and ultra light weight for easy, one-person operation
- Back pressure compensation ensures accurate readings
- Multiple hood sizes available for easy, cost effective use across multiple jobs
- Detachable digital Micromanometer offers flexibility to use in multiple applications
- Includes Swirl X Flow Conditioner for use with twist or swirl type supply air diffusers



Associated Instrument Repairs

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Applications:

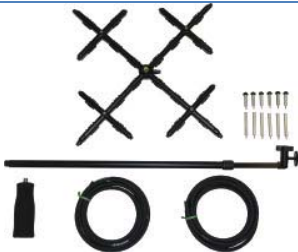
Test and balance contractors	Commissioning agents	Facilities manager	Health and safety specialists	Ventilation system installers
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Optional Accessories

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| <ul style="list-style-type: none"> • Air flow probe (straight pitot), 18 in. (46 cm) • Velocity matrix, telescopic handle, • Air Velocity and Temperature articulating Probe • Pitot probe 5/16 in. (8 mm) diameter - 12 in. (30 cm) • Pitot probe 5/16 in. (8 mm) diameter - 18 in. (46 cm) • Temperature probe | <ul style="list-style-type: none"> • Duct plug, 3/8 in. (9.5 mm) diameter - 1000 pieces • (2) 8 ft. (2.4 m) neoprene tubing sections • Air Velocity, Temperature, and Humidity straight Probe • Pitot probe 5/16 in. (8 mm) diameter - 36 in. (91 cm) • Pitot probe 5/16 in. (8 mm) diameter - 24 in. (61 cm) • Wireless Bluetooth Printer | <ul style="list-style-type: none"> • Humidity and temperature probe • Air Velocity and Temperature, Straight Probe • Air Velocity, Temperature, and Humidity, articulating Probe • Duct plug, 3/8 in. (9.5 mm) diameter - 5000 pieces • Pitot probe 5/16 in. (8 mm) diameter - 60 in. (152 cm) |
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Airflow Probe 800187 18 in. (46 cm) straight probe that can be used to perform a duct traverse and to measure face velocity measurements in applications such as chemical fume hoods, HEPA filters, or other laminar flow devices. Ideal for small diameter ductwork.



Velocity Matrix 801090 Used to measure face velocities of HEPA filters, chemical fume hoods, laminar flow benches, filter banks, kitchen exhausts, and other applications where a large surface area needs to be measured. The 16 point grid covers one square foot area and averages the air velocity while minimizing the affects of turbulence to produce a stable reading



Thermoanemometer Air Velocity Probe Models 960, 962, 964, 966 Available in straight or articulating construction, and with or without a relative humidity sensor. Models with a relative humidity sensor can also calculate wet bulb and dewpoint temperature.



Temperature and Humidity Probe 800220 Telescopic probe extends from 9 to 39 in. (230 to 990 mm) and is ideal for measuring inside of duct work before and after a coil. Probe can be inserted into a standard 5/16 in. (8 mm) diameter hole typically used for pitot traverses and can be used to calculate wet bulb and dewpoint temperatures.



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PH 731

Specifications:

		Metric	Imperial
Volume	Range (Capture Hood)	42 to 4,250 m ³ /hr	25 to 2,500 ft ³ /min
	Resolution	1 m ³ /hr	1 ft ³ /min
	Units	m ³ /hr, m ³ /min, l/sec, ft ³ /min	
	Accuracy	±3% of reading ±12 m ³ /h at flows >85 m ³ /h	± 3% of reading ± 7 ft ³ /min at > 50 ft ³ /min
Velocity	Range (Pitot Probes)	0.125 to 78 m/s	25 to 15,500 ft/min
	Range (Airflow Probe)	0.125 to 25 m/s	25 to 5,000 ft/min
	Velocity Matrix	0.125 to 12.5 m/s	25 to 2,500 ft/min
	Resolution	0.01 m/s	1 ft/min
	Units	m/s, ft/min	
	Accuracy	±3% of reading ±0.04 m/s at velocities >0.25 m/s	±3% of reading ±7 ft/min at velocities >50 ft/min
Pressure	Differential Pressure	± 3735 Pa ± 37.5 kPa	± 15 inH ₂ O ± 150 inH ₂ O
		Maximum safe operating pressure	
	Absolute Pressure	356 to 1016 mmHg	15 to 40 inHg
	Resolution	0.001 Pa static and differential	0.00001 inHg static and differential
		1 mmHg absolute	0.01 inHg absolute
	Units	Pa, hPa, kPa, mmHg, cmHg, mmH ₂ O, cmH ₂ O, inH ₂ O, inHg	
	Accuracy	± 2% of reading ± 0.25 Pa static and differential ± 2% of reading absolute	± 2% of reading absolute
RH	Range	5 to 95% RH temperature or RH probe	
	Resolution	0.1% RH	
	Accuracy	± 3% RH	
Temperature	Sensor in base	4.4 to 60°C	40 to 140°F
	Temperature/RH Probe	-10 to 60°C	14 to 140°F
	Units	°C, °F	
	Accuracy	± 0.3°C	± 0.5°F
Statistics		Min, max, average	
Data Storage		26,500 samples, time and date stamped	
Response Time		2 to 8 seconds, differential pressure sensor	
Dimensions	Manometer only	18.8 x 11.4 x 5.8 cm	7.4 x 4.5 x 2.3 in
Pressure Connection		1/4 in. (6.35 mm) OD straight ports with barbed ends for use with 3/16 in. (4.76 mm) ID flexible tubing	
Weight with batteries		3.4kg	7.4 lb



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