

We measure it.



## testo 420 Flow hood

Lightweight, tough and accurate.

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Weighs less than 6.2 lbs. (2.9 kg.)

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Flow straightener for more precise measurement at turbulent outlets

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Large, tiltable, backlit display (removable)

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App integration via Bluetooth for fast and easy monitoring and reporting on site

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The new testo 420 flow hood is the light, precise and convenient solution for regulating volume flows at supplies and returns. At turbulent outlets in particular, the flow straightener significantly improves measurement accuracy, saving you time and headaches for these difficult situations. Handling is especially easy with the low weight of less than 6.2 lbs. and ergonomic handles.

The display can be tilted for more comfortable readout. In addition, Bluetooth will allow for connection to mobile devices, which can be used as a second display or remote control. This makes the use of a tripod (optional) for high ceilings especially easy. Furthermore, users can utilize the App to finalize and send measurement reports while still on site.

## Technical data

### testo 420 set

testo 420 flow hood base, 24" x 24" flow hood, USB cable, batteries, soft case w/ telescoping handle and wheels, NIST Certificate

Part no. 400563 4200

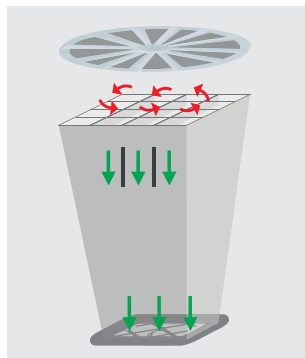


### General technical data

Operating temperature	23 to 140 °F (-5 to +60 °C)
Storage temperature	-4 to 140 °F (-20 to +60 °C)
Weight	6.3 lbs. (2.9 kg)
Standard hood	24" x 24" (610 x 610 mm)
Battery type	Type AA
Battery life	40 h
Display	Dot matrix with illumination
Memory	2 GB internal
Interface	Micro USB
Warranty	2 years

### Sensor types

	Volume flow	Temperature	Humidity sensor	Differential pressure
Measuring range	50 to 2120 CFM	-4 to 158 °F / (-20 to +70 °C)	0 to 100 %RH	0 to 5" H <sub>2</sub> O / (0 to 120 Pa)
Accuracy ±1 digit	±3 % of m.v.	±0.9 °F (32 to 158 °F) / ±0.5 °C (0 to +70 °C)	±1.8 %RH	±2 % of m.v.
Resolution	.5 CFM	0.1 °	0.1 %RH	0.001 Pa



Functional principle of the flow straightener.



Flow straightener for significantly more precise measurements at turbulent outlets.



Bluetooth App allows for hands free operation, displaying measurement data on mobile devices and finalizing the measurement report on site.

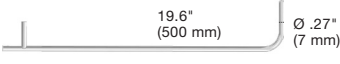




Sturdy, wheeled tripod (optional) with central fitting for safe measuring of high ceiling outlets.

## Accessories

	Part no.
Flow hood 14" x 14" (360 x 360 mm)	0554 4200
Flow hood 12" x 48" (305 x 1220 mm)	0554 4201
Flow hood 24" x 48" (610 x 1220 mm)	0554 4202
Tripod, extendable to 13' (4m)	0554 4209
Connection hose; silicone; length 16.4' (5m); max. load 700 hPa (mbar)	0554 0440
Connection hose silicone-free for differential pressure measurement, length 16.4' (5m), load up to maximum 700 hPa, (mbar)	0554 0453
NIST Flow Hood Certification	400520 4403

## Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Part no.	
Pitot tube, 19.6" (500 mm) long, Ø .27" (7 mm), stainless steel, for measuring flow velocity*	 19.6" (500 mm) Ø .27" (7 mm)	Measuring range: 198 to 19,680 ft/min Operating temperature: 32 to 1,112 °F (0 to 600 °C) Pitot tube factor: 1.0	0635 2045	
Pitot tube, 13.8" (350 mm) long, Ø .27" (7 mm), stainless steel, for measuring flow velocity*	 13.8" (350 mm) Ø .27" (7 mm)	Measuring range: 198 to 19,680 ft/min Operating temperature: 32 to 1,112 °F (0 to 600 °C) Pitot tube factor: 1.0	0635 2145	
Pitot tube, 39.4" (1000 mm) long, Ø .27" (7 mm), stainless steel, for measuring flow velocity*	 39.4" (1000 mm) Ø .27" (7 mm)	Measuring range: 198 to 19,680 ft/min Operating temperature: 32 to 1,112 °F (0 to 600 °C) Pitot tube factor: 1.0	0635 2345	

\*Connection hose required (order no. 0554 0440) or (order no. 0554 0453)



Accurate even on critical applications



Removable instrument allows Pitot tube measurements in ducts  
(Pitot tube optional)

D.O.V1

Subject to change without notice.