We measure it.

testo 420 Flow Hood System

Accurate, lightweight and rugged.

Integrated flow straightener greatly improves measurement at turbulent outlets

Weighs less than 6.4 lbs. (2.9 kg.)

Detachable 420 Differential Pressure instrument with large backlit display can be tilted to optimize viewing angle



Quick, easy remote monitoring and reporting with Bluetooth and free App

Data logging using on-board 2 GB memory, logged data can be transfered to PC using mini-USB cable.



testo



The new testo 420 flow hood system is light, accurate and a convenient solution for balancing volume flow at supplies and returns. At turbulent outlets, the flow straightener significantly improves measurement accuracy, saves time and eliminates the uncertainty of measuring turbulent outlet ducts. Handling is especially easy with its ergonomic handles and low weight of less than 6.4 lbs. The 420 Differential Pressure instrument can be tilted for optimum viewing angle.

The powerful App is configured to:

View measured data from a remote location wirelessly on smartphone / tablet (65ft.).

Log data and display results then transfer to PC using micro-USB cable.

Send measured values via email as a report file in .pdf or Excel format

Runs with devices using Android 4.3 or iOS 7.1 and higher

Find Quality Products Online at:

www.GlobalTestSupply.com

sales@GlobalTestSupply.com



Technical data

testo 420 Flow Hood System Set

Includes: testo 420 flow hood base, t420 Differential Pressure Instrument, Pitot Flow Matrix, 24" x 24" flow hood with supporting rods, USB cable, batteries, soft case w/handle and wheels andOptional NIST Certification



Part no. 400563 4200

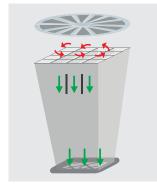
Key Features:

* Data logging directly to on-board 2 GB memory.

- * Convenient joystick navigation within menu for setting up individual folders
- * Total volume flow in CFM (cubic feet per minute) is displayed
- * Individual measurement data saved in folders can be recalled and displayed as total volume flow of all measurements.
- * Logged data can be transferred to PC using micro-USB cable

Measurement Specifications:

| | Flow Volume | Flow Velocity | Air Flow Temperature | Differential Pressure | Absolute Pressure | Relative Humidity | Dew Point/Wel bul |
|--------------------|---|-----------------------------------|---|---------------------------------------|----------------------|----------------------|--|
| Measuring range | 25 to 2,300 CFM (40 to 4000 m ³ /h) | 0 to 2750 ft/min (0 to 14 m/s) | -4 to 1 40 °F (-20 to +60 °C) | -0.5 to 0.5 inH2O (-120 to 120 Pa) | 700 to 1100 mbar | 0 to 100 %RH | 23 to 1 40 °F/ -104 to +140 °F) |
| Accuracy | ±3 % of m.v. +7 cfm | ±2.0 ft/m (0.01 m/s) | ±0. 9 °F (23 to 1 40 °F) ±0.5 °C (-5 to 6 0 °C) | ±2 % of m.v. +0.02 | +/-3mbar | ±1.8 %RH +3% m.v. | Not Specified |
| Resolution | 1.0 CFM | 0.01 ft/min (0.0001 m/s) | 0.1 °F | 0.000001 inH2O | 0.1 mbar | 0.1 %RH | 0.1 °F |



Functional principle of the flow straightener.



Flow straightener significantly improves accuracy of measurements at turbulent outlets.



Bluetooth App allows for hands free operation, displaying measurement data on mobile devices and finalizing and sending the measurement report via email from the job



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

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General technical data

| Operating temperature | 23 to 140 °F (-5 to +60 °C) | |
|-----------------------|-------------------------------|--|
| Storage temperature | -4 to 140 °F (-20 to +60 °C) | |
| Weight | 6.4 lbs. (2.9 kg) | |
| Standard hood | 24" x 24" (610 x 610 mm) | |
| Battery type | Туре АА | |
| Battery life | 30 h rs | |
| Display | Dot matrix LCD with backlight | |
| Memory | 2 GB internal | |
| Interface | Micro USB | |
| NIST Certification | Optional | |
| Warranty | 2 years | |
| | | |

Accessories

| _ | |
|------|-----|
| Part | no. |

| Flow Hood 12" x 12" (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 |
| Flow Hood 36" x 36" (915 x 915 mm) | 0554 4203 |
| Tripod, extendable to 13' (4m) | 0554 4209 |
| Connection hose; silicone; length 16.4' (5m); max. load 280 inH2O (700 mbar) | 0554 0440 |
| Connection hose silicone-free for differential pressure measurement, length 16.4' (5m), load up to maximum 280 inH2O (700 mbar). | 0554 0453 |
| NIST Flow Hood System Certification | 400520 4403 |



Air Flow Velocity Matrix

Air flow velocity matrix, 6ft telescopic extension pole with ball swivel head, two 6ft siliconfree Connection hoses. Velcro strap for attaching the differential pressure measuring instrument to the telescoping extension pole

Air flow velocity matrix, 6ft telescopic extension pole with ball swivel head, two 6ft silicon-free connection hoses. Velcro strap for attaching the differential pressure measuring instrument to the telescoping extension pole and a testo 420 differential pressure instrument



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

| Pitot tubes | Dimensions Probe shaft/probe shaft tip | Measuring range | Part no. |
|---|---|---|-----------|
| Pitot tube, 20 in. (0.5 m) long, .28 in. Dia. (7 mm), stainless steel, for measuring flow velocity* | 20 in. (0.5 m) .28 in. Dia .7 mm) | Measuring range: 200 to 2,750 ft/min | 0635 2045 |
| Pitot tube, 14 in. (0.35 m) long, .28 in. Dia. (7 mm), stainless steel, for measuring flow velocity* | 14 in. (0.35 m) .28 in. Dia (7 mm) | (1 to 14 m/s) Operating temperature: 32 to 1,112 °F (0 to 600 °C) Pitot tube factor: 1.0 | 0635 2145 |
| Pitot tube, 39.4 in.(1.0 m) long, .28 in. Dia. (7 mm) stainless steel, for measuring flow velocity* | 39.4 in.1.0 m .28 in. Dia. (7 mm) | | 0635 2345 |

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Precision measurements for critical applications



Detachable Differential Pressure (t420) instrument allows Pitot tube measurements in ducts (Pitot tube optional)

D.O.V1

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sales@GlobalTestSupply.com