AVERAGING AIR FLOW GRID
Extends Over 50° to Aid in Air Flow Output Checks

The Model 160G Averaging Air Flow Grid utilizes 16 sensing points to provide precision sensing across its 16.5” (41.9 cm) length and width. The ball pivot joint and tightening nut allows the user to position the sensing grid at any angle in any direction for ease of use in hard to reach locations. The included color coded tubing connects to the integral barbed fittings, providing a differential pressure signal to a gage or manometer where the readings can be converted into a velocity or flow reading.

FEATURES/BENEFITS
• Maximum reach of approximately 48” (122 cm)
• 16 sensing points provide an accurate average flow

APPLICATIONS
• Measure face air velocity on grills, diffusers, registers, exhaust hoods

The Model ANE-1 Differential Pressure Anemometer is a robust and durable bi-directional anemometer with no moving parts or sensing electronics. Using the installed tubing, the ANE-1 connects easily to any manometer or applicable pressure sensing device and is capable of measuring a wide velocity range. The air velocity range and accuracy is dependent on the installed manometer, and the ANE-1 retains the accuracy as long as it is dust free.

FEATURES/BENEFITS
• Wide velocity range dependent on connected manometer
• Includes 5’ of blue and 5’ of red silicone tubing with a removable adapter sized 2 mm OD to 3/16” OD

APPLICATIONS
• Measure face air velocity on grills, diffusers, registers, exhaust hoods

SPECIFICATIONS
Service: Air or compatible gases.
Wetted Materials: Grid: Black polycarbonate; Ball pivot joint: AL, plastic; Handle: Aluminum; Standoffs: Aluminum with rubber bumpers, two sets: 1.25” (31.7 mm) and 2” (50.6 mm), 1/8” ID / 1/4” OD; Tubing: Two 10’ (3 m) lengths of silicone rubber.
Accuracy: ±2% FS.
Temperature Limits: -40 to 257°F (-40 to 125°C).
K Factor: 0.84.
Range: 1000 to 5000 FPM (5 to 25 m/s).
Process Connection: 1/8 to 1/4” ID tubing.
Weight: 1.75 lb (0.79 kg).
Agency Approvals: RoHS.

MODEL CHART
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<td>Averaging air flow grid</td>
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ACCESSORIES
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<td>Protective hard case</td>
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MODEL ANE-1
DIFFERENTIAL PRESSURE ANEMOMETER
Bi-Directional Anemometer, No Sensing Electronics

Tubing Adapter

SPECIFICATIONS
Service: Clean air only.
Dimensions: Tubing: 2 mm ID x 4.5 mm OD; Adapter: 2 mm OD to 3/16” OD connections.
Temperature Limits: 23 to 122°F (-5 to 50°C).
K-Factor: 0.843.
Process Connections: 2 removable 5” (12.7 cm) tubing 3/16” ID.
Weight: 7.7 oz (220 g).

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UHH-C2