Easy InDuct Air Measurements

Fieldpiece

The best way to take air measurements for A/C is at either end of the evaporator. Now Fieldpiece provides tools for techs to take them easily and accurately.

New InDuct Hot-wire Anemometers and Psychrometers make it easier to get air measurements where techs need them – in the duct!

- Easier to take measurements near the evaporator
- 38” telescoping probe to traverse any duct size
- Hands-free testing with stabilizing cone and magnetic hanger
- 3/8” diameter probe for small holes
- Accessory heads compatible with Fieldpiece wireless meters
- Ruler etched probe for traversing

Hot-wire Anemometer and Psychrometer in One

The AAT3 InDuct Hot-wire Anemometer and Psychrometer gets into ducts easily for measurement of temperatures, %RH, and air velocity.

These measurements go hand in hand with the Fieldpiece HVAC Guide® System Analyzer’s Superheat, TEET, CheckMe!, and CFM switch positions for faster, more accurate and convenient diagnostics.

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Trust Experience Reliability
sales@testersandtools.com
Tel: 602-795-4033, Fax: 602-795-4624

- Measures temperatures, %RH, and air velocity
- Calculates wet bulb and dew point temperatures
- Sends wireless signal to Fieldpiece wireless meters from up to 100’ away*
- Great partner with HVAC Guide® System Analyzer for full system diagnosis

*ET2W wireless transmitter turns any Fieldpiece Accessory Head into a wireless device when synced with Fieldpiece wireless enabled meters.

CFM Without a Hood

The STA2 InDuct, Hot-wire Anemometer calculates CFM from air velocity and free area. Averaging air velocity from several measurements and inputting free area are a snap.

With in-duct traversing it’s an excellent alternative to costly, bulky hoods for air balancing.

- Fast response time
- Dual display to show any combination of real-time CFM, air velocity, or temp
- Minimizes effects of turbulence with time or test point averages
- Fast, accurate temps

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Convenient Wet Bulb **Measurements**

Now you can get in-duct wet bulb and dew point measurements in the convenience of a Fieldpiece Accessory Head.

Not only does the ARH5 make it easy to get in-duct measurements near the evaporator, but now techs can get wireless indoor wet bulb measurements in real-time, while they are making adjustments at the condenser.

- Measures temperatures and %RH
- Calculates wet bulb and dew point temperatures
- Sends wireless signal to Fieldpiece wireless meters from up to 100' away*
- Fast, accurate results for target superheat and target exap exit temp

The wireless HG3 HVAC Guide® System Analyzer can receive up to 12 measurements at the same time from an ET2W Wireless Transmitter connected to any Accessory Head. Wirelessly sends indoor temperatures to the outdoor unit while techs are adjusting the refrigerant charge.

*ET2W wireless transmitter turns any Fieldpiece Accessory Head into a wireless device when synced with Fieldpiece wireless enabled meters.

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Easy Target Superheat

Take supply/return temperatures, %RH, wet bulb and dew point measurements from inside the duct, near the evaporator.

The STA2 InDuct Psychrometer is a great tool to properly charge fixed restrictor systems by quickly determining the target superheat, and to help determine optimum airflow across the evaporator with a target evaporator exit temperature test.

- Measures temperatures and %RH
- Calculates wet bulb and dew point temperatures
- Quickly provides target superheat
- Helps determine optimum airflow across the evaporator with target evaporator exit temperature test

Fieldpiece InDuct Product Specifications

STA2

Measures: Air Velocity, Temperature

Calculates: CFM

Battery Life: 20-35 hours approx. (alkaline)

Auto Power Off: after 15 minutes of inactivity if APO is active.

Velocity

Range: 40-3940 fpm (0.20-20.00 m/s)

Units: fpm, m/s, km/hr, mph

Temperature

Sensor Type: Thermistor

Range: -4°F to 140°F (-20°C to 60°C)

ARH5

Measures: Temperature, %RH

Calculates: Wet Bulb, Dew Point

Calculates (when connected to the HG3): Target Superheat, Target Evaporator Exit Temperature

Auto Power Off: Approx. 15 minutes

Battery Life: 150 hours typical (alkaline)

Temperature

Sensor Type: Precision thermistor

Range: -4°F to 140°F (-20°C to 60°C)

Relative Humidity

Sensor Type: Capacitance polymer film

Range: 0% to 100%RH

AAT3

Measures: Air Velocity, Temperature, %RH

Calculates: Wet Bulb, Dew Point

Calculates (when connected to the HG3): Target Superheat, Target Evaporator Exit Temperature, CFM

Battery Life: 20 -35 hours typical

Auto Power Off: after 15 minutes of inactivity if APO is active.

Velocity

Range: 40-3940 ft/min (0.20-20.00 m/s)

Note: to use full range AAT3 must be connected to a DMM with a 4000 mVDC range or greater.

Relative Humidity

Range: 0% to 100% RH

Temperature

Range: -4°F to 140°F (-20°C to 60°C)

SRH3

Measures: Temperature, %RH

Calculates: Wet Bulb, Target Superheat, Target Evaporator Exit Temperature

Auto Power Off: after 15 minutes of inactivity if APO is active.

Battery Life: 150 hours typical (alkaline)

Low Battery Indication: is displayed when the battery voltage drops below the operating level.

Temperature

Sensor Type: Precision thermistor

Range: -4°F to 140°F (-20°C to 60°C)

Relative Humidity

Sensor Type: Capacitance polymer film

Range: 0% to 100%RH

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