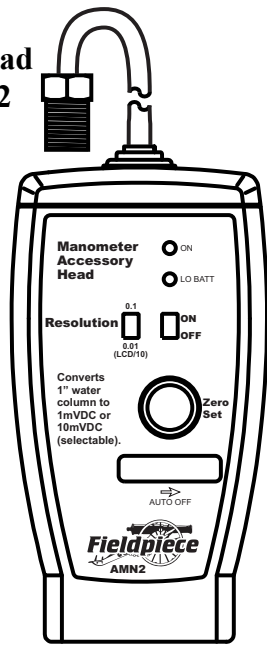


Manometer Accessory Head Model: AMN2



OPERATOR'S MANUAL

Specifications

Pressure Ports: Tube connector for 3/16 inch (4mm) I.D. flexible tubing

Units of Measure: inches of water column ("WC)

Accuracy: @ 73°F, <90%RH

±0.4rdg (-20 to 20"WC), applied before dividing reading by 10 on 2"WC range

±1.0rdg (-60 to -20"WC and +20 to +60"WC)

Resolution: 0.1 or 0.01 depending on resolution selected (If 0.01"WC resolution is selected you must divide displayed value by 10 for actual value).

Measurement Range:

-60.0"WC to 60.0"WC

Operating environment:

32°F (0°C) to 105°F (41°C), 15-90%RH

Compatible media: Dry, non-corrosive gases

Battery: Single standard 9-volt battery, NEDA 1604, JIS 006P, IEC 6F22.

Battery Life: 150 hours, low battery LED indicator on accessory head.

Overrange: "OL" or "-OL" is displayed.

Auto power off: 15 minutes

Dimensions: ~5 3/16"(131mm) (H) x ~2

7/16"(67mm) (W) x ~1 1/4"(32mm)(D)

Weight: approximately 154g (~1/2 pound) including battery

Accessories included: 2' (3/16") I.D. flex tubing w/typical gas pressure fitting, operators manual, battery (installed), 5/16" adapter with tube.

Description

The AMN2 adds static pressure measurements to the function of a gas pressure instrument, all for the price of a low cost gas pressure measuring meter. For gas pressure, the AMN2 measures up to 60 inches water column ("WC) with a resolution of 0.1 "WC when used with any Fieldpiece meter. For static pressure measurements, which are much lower than gas pressure, use the 0.01"WC resolution mode. Special purpose static pressure instruments are on the market with better accuracy and temperature compensation, but they typically cost much more than the AMN2.

Operation

1. Connect to COM and Volts jacks using Fieldpiece test leads with removable probe tips. For Fieldpiece "stick-style" meters, EHDL1, or DL3, slide the head directly over the meter.
2. Select the mVDC range on the DMM.
3. On the AMN2, select 0.1 resolution for gas pressure. For static pressure, typically below 2"WC, select 0.01 resolution.
4. To zero the instrument, press the Zero Set button on the AMN2 just before taking the pressure readings, while at ambient pressure.
5. Connect the hose to the AMN2.
6. Connect hose to the pressure being measured.
7. If using 0.01 mode, divide the reading displayed on the LCD by 10. In other words, move the

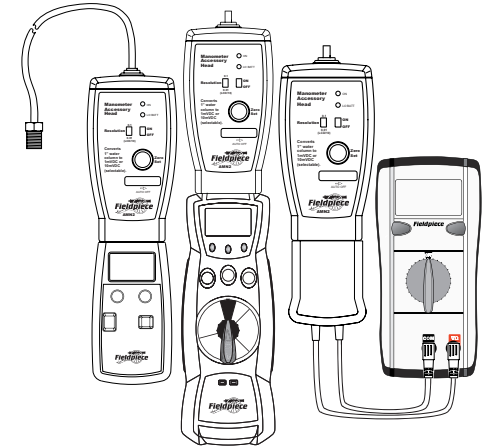
decimal to the left one digit.

8. To disable the auto-power-off, remove the gray rubber strip and flip the switch below. Auto-power-off is helpful for conserving the battery; but if you are data logging with Fieldpiece model DL3, you will want to disable this feature.
9. If you are in an environment where the temperature is noticeably changing while you are taking your reading, disconnect the meter from the hoses and ZERO it relative to ambient pressure before each reading.

Checking Gas Pressure on a Regulator

1. Screw the brass fitting into the pressure port on the regulator. Some ports require an adapter.
2. Put unit into operation (i.e. turn on the furnace and have furnace ignite, as if running it in normal operation.)
3. This will give you the pressure coming out of the regulator.
4. If you suspect high or low inlet pressure into the regulator, the manometer can hook into the inlet port in the same manner it can connect into the outlet port. If you have a dual-port manometer (ADMN2), you can check both the inlet and the outlet simultaneously and see the pressure drop across the regulator.
5. See manufacturer's specification for target inlet and outlet pressure for a given regulator or piece of combustion equipment.

Connect Your Way



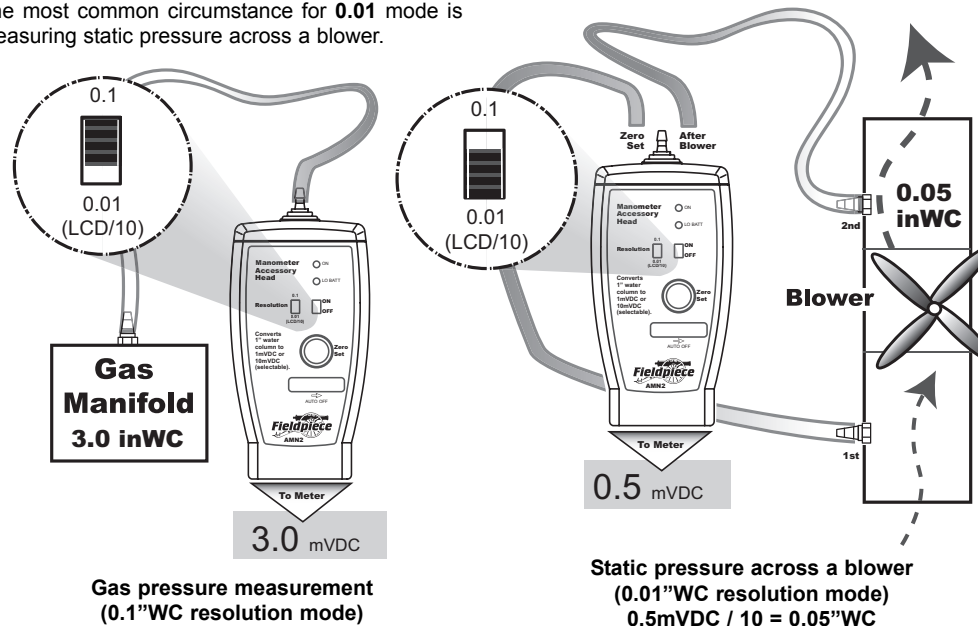
EHDL1 HS series LT series



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Resolution Modes (0.1 and 0.01)

There are two modes of resolution on the AMN2. For most applications, **0.1** mode will be fine to use. When measuring low pressures (below 2"WC) **0.01** will likely be the best mode for meaningful testing. The most common circumstance for **0.01** mode is measuring static pressure across a blower.



Only when using **0.01** mode, the display of your meter will show the true measurement X 10. So if the true measurement is -0.05, your meter will show -0.5.

Limited warranty

This meter is warranted against defects in material or workmanship for one year from date of purchase. Fieldpiece will replace or repair the defective unit, at its option, subject to verification of the defect.

This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument.

Any implied warranties arising from the sale of a Fieldpiece product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. Fieldpiece shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim of such damage, expenses, or economic loss.

State laws vary. The above limitations or exclusions may not apply to you.

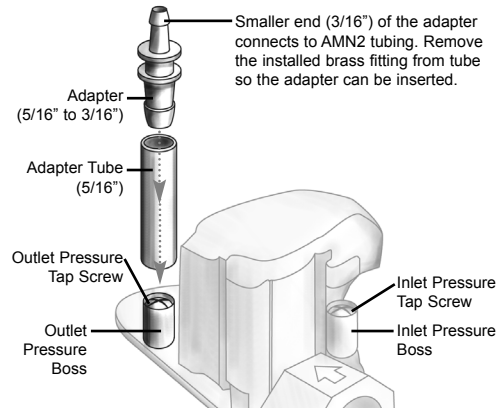
Obtaining service

Call Fieldpiece Instruments for one-price-fix-all warranty service pricing. Send check or money order for the amount quoted. Send the meter freight prepaid to Fieldpiece Instruments. Send proof of date and location of purchase for in-warranty service. The meter will be repaired or replaced, at the option of Fieldpiece, and returned via least cost transportation.

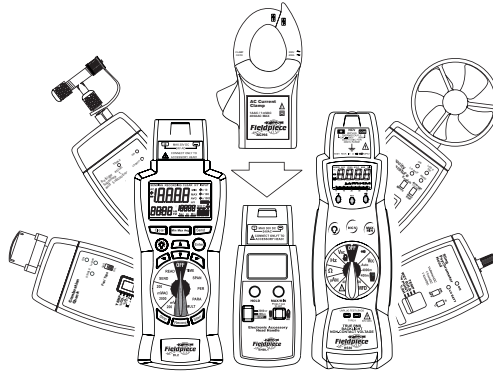
RMA316 Manometer Adapter

Used for 5/16" pressure outlet ports.

1. Shut off main gas supply to furnace.
2. Move the gas valve switch to "OFF" position.
3. Use a 3/32" hex wrench to loosen the outlet pressure tap screw. Rotate screw counter-clockwise one revolution to open.
4. Connect the AMN2 tubing to the smaller (3/16") end of the adapter and the other (5/16") end of the adapter into the of the adapter tube.
5. Slide the 5/16" adapter tube over the outlet pressure boss (port) to seal. Overlap the pressure boss by at least 3/8" to prevent leakage.



More Products From Fieldpiece



Modular Expandability

Modular expandability is ability for accessory heads and meters to change configurations to match the various needs of an HVAC/R technician.

Accessory heads (the sensors) send out a mV signal, to whatever meter is attached to it. Heads can attach directly to the top of a Stick meter, DL3 data logger, or EHDL1. They can also plug into any meter with mV ranges using ASLS2 leads.

Stick Meter

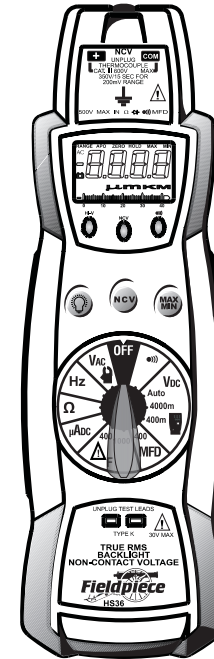
This is the heart of modular expandability. In addition to being a full functioning multimeter, any accessory head can be used with it.

Model HS36

Non contact voltage
Magnetic hanger
Autoranging
Backlight

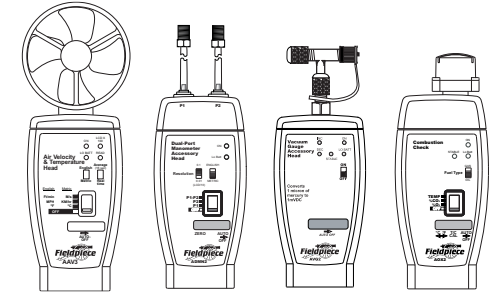
Temperature
Volts, amps, ohms
Frequency
Microfarads

Includes:
HS36 Meter
ACH4 Current Clamp
ATB1 K-type TCouple
ADLS2 Deluxe Leads
ANC1 Case



Accessory Heads

Accessory heads are the sensors of multiple parameters measured by technicians every day. They plug into a mV range (depending on the head) of a multimeter. The multimeter will display whatever the head is measuring. Instead of having to purchase and carry a separate instrument for each parameter, a technician can use multiple heads and a single multimeter to do the job.



Here are four of the many heads available:

- AAV3 Air Velocity and Temperature
- ADMN2 Dual-Port Manometer
- AVG2 Digital Vacuum Gauge
- AOX2 Combustion Check