

Accessory Head on Data Logger

AAV3 (page 39)
attached to
DL3 (page 18)
measuring
average
air flow.



Accessory Head with a Standard DMM

ACM3 (page 40)
connected to
LT17A
(page 30)
measuring
carbon
monoxide.



HVAC GUIDE®

SYSTEM ANALYZER

An Expert in Your Hip Pocket

Complete the **INPUT FORM** by performing the required tests, press **OUTPUT** to see the results and recommendations. Download future upgrades including the **CheckMe!** function at www.fieldpiece.com

Benefits

Improved HVAC technician performance

- Fewer call backs.
- Faster testing.
- Easier analysis.
- Higher quality job.
- Wider range of tests with less backup technical support.

Features

- Easy to use INPUT / OUTPUT FORMS.
- Automatically enter data using Fieldpiece heads.
- Manually enter data using standalone equipment.
- Sophisticated air conditioning analysis program based on data from over 500,000 field tests (HG2 only).
- Download test data to a PC and print work orders.
- Reload tests when returning to the same customer.
- Generate professional, spreadsheet work orders with time-stamped data and Customer IDs.

INCLUDES

ATH4 Dual-temp Head
ATWB1 Wet Bulb T/C
ATA1 Dry Bulb T/C
ANC5 Case
USB Cable
PC Software



GO BIG! Fieldpiece Mega Pack (model HS36K40):

AAV3, ADMN2, RMA316, ASX14, ACM3, ATIR3, ARH4, ATH4, SMG5, ADA2, ADK7, ADLS2, AQK3, AVG2, ATC1, ACH4, HS36, EHD1, HG2, PLM2, PMG2, AOXP2, ATBF1, ATA1, ATWB1, ANC3 case (see chart p.35)

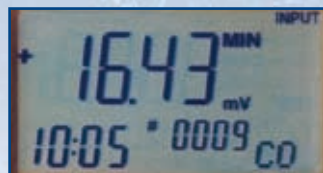




DL3 with ACM3



LCD showing maximum



LCD showing minimum



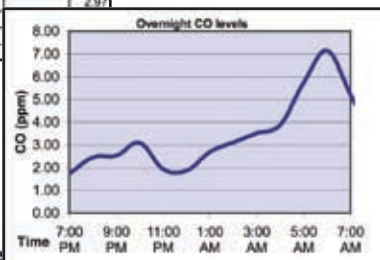
LCD showing average

Above: Just press the MIN/MAX/AVG button to display minimum, maximum, and average. Use ▲ and ▼ buttons to scroll to other data sets.

Left: DL3 recording carbon monoxide with ACM3. Set up the meter to record data once every five minutes for 48 hours and you will be able to see if and when there is a high concentration of CO.

Data Set#		X1			
1/19/08	7:00 PM	1.74	CO	MIN	1.74
1/19/08	8:00 PM	2.46	CO		2.10
1/19/08	9:00 PM	2.53	CO		2.24
1/19/08	10:00 PM	3.10	CO		2.46
1/19/08	11:00 PM	1.93	CO		2.35
1/20/08	12:00 AM	1.87	CO		2.27
1/20/08	1:00 AM	2.71	CO		2.33
1/20/08	2:00 AM	3.12	CO		2.43
1/20/08	3:00 AM	3.52	CO		2.55
1/20/08	4:00 AM	3.89	CO		2.69
1/20/08	5:00 AM	5.75	CO		2.97
1/20/08	6:00 AM	7.18	CO		
1/20/08	7:00 AM	5.21	CO		
1/20/08	8:00 AM	3.04	CO		

Download, format, graph and print the data recorded. All formatting is done in Excel.



Fieldpack Selection Guide

MODEL	DESCRIPTION	DL3K14	HS33K14	HS36K19	HS36K35	HS36K40
Meters						
EHD1	Electronic handle	•		•	•	•
DL3 *	Data logger	•			•	
HG2	HVAC Guide® System Analyzer					•
HS33	Manual ranging stick		•			
HS36	Auto ranging stick/true rms, b/l			•	•	•
SMG5	Megger (includes leads/case)				•	•
Leads/Accessories						
ADA2	Dual alligator clips		•	•	•	•
ASA2	Small alligators (pr)	•	•	•	•	•
AHDL1	Adapter handle	•				
AQK3	Flame diode kit AQC2+AQP1	•	•	•	•	•
ADLS2	Silicone Deluxe	•	•	•	•	•
Velcro Strip	Attaches ATB1 to pipe	•	•	•	•	•
Cases						
ANC3	Briefcase	•		•	•	•
ANC8	Mid-sized case		•			
Thermocouples						
ATA1	Alligator clip	•		•	•	•
ATWB1	Wet bulb	•		•	•	•
ATC1	Small pipe clamp		•	•	•	•
ATB1	Bead tip	•	•	•	•	•
Heads						
AAV3	Air velocity, temp	•			•	•
ACH4	Amp clamp	•	•	•	•	•
ACM3	Carbon monoxide	G	G	G	G	•
ADMN2	Dual-port manometer					•
AMN2	Manometer	G	G	G	G	
AOX2 *	%CO, %O2, temp					•
ARH4	%RH, WB, dew pt., air temp	•	•	•	•	•
ASX14	Superheat/subcooling for A/C	•			•	•
ATH4	Dual temp	•				•
ATIR3	Infrared temperature				•	•
AUA2	Micro/milliamps w/ AQK3	•	•			
AVG2	Vacuum gauge	•		•	•	•
AVH1	Volts	•			•	
Pocket Tools						
PLM2	Mirror with LED light				•	•
PMG2	Lighted Magnet Tool				•	•

G - Add "G" suffix to model number to include ACM3 and AMN2

* - Includes all accessories that normally come with meter minus carry case

Accessory Heads

Connect Fieldpiece accessory heads to the “stick” meter, data logger, electronic handle, or other DMM to measure HVAC/R parameters.

The Fieldpiece HS series “stick” meters connect directly to accessory heads by sliding the head right onto the meter. Use the EHDL1 handle to convert any head to a stand alone meter.

Fieldpiece accessory heads can be used with most other DMMs. Your meter only needs mV (AC and DC) ranges and industry standard input jacks.

Use the Fieldpiece deluxe test leads (ADLS2) or the convenient AHDL1 adapter handle to connect the head to your meter.



ARH4 on HS35



AAV3 on EHDL1

ACM3 on DL3

To check levels of carbon monoxide, use the ACM3. An AMN2 manometer can be used to ensure you have proper gas line and manifold pressure. An AUA2 can ensure that the flame diode circuit is functioning properly and not causing the furnace to "lock-out". The AOX2 accessory head measures %O₂ of flue gas. It also displays %CO₂. The ADMN2 is a dual port manometer, which allows the user to measure pressure drop. Use the ADMN2 to make sure the conditioned space has a positive pressure, keeping combustion products out. Check out our new heating season standalones on p.49 and p.51

ACM3: Carbon Monoxide

Measures CO in air and finds CO sources.

- Fast enough to locate CO source in "walk-around" test.
- Response time: <70sec to 90% of reading.
- Three-pin sensor for better performance.
- Optional pump (AOXP2).
- Auto-off can be disabled for data logging.
- Select real-time or average.
- Range: 0 to 1000PPM (2000PPM with 5 minute max exposure time).
- Accuracy: 0-35ppm ±5% reading ±2 ppm after zeroing.
- Sensor type:
Electrochemical
(specific to CO).

ACM3



AMN2: Manometer (Pressure)

Measures gas pressure and has resolution low enough for static pressure.

- Maximum ±60 inches WC (water column) for gas pressure.
- Accuracy: ±2% FS.
- 0.01 inches WC resolution for static pressure.
- Includes tube and adapter for gas pressure measurement.
- Manual zero-set for comparing two pressures.
- Auto-off can be disabled for data logging.
- Comes with adapters (RMA316 - see p. 52).



AMN2