

# 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](http://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)



## Fieldpack Selection Guide

MODEL	DESCRIPTION	DL3K14	HS33K14	HS36K19	HS36K35	HS36K40
<b>Meters</b>						
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)				•	•
<b>Leads/Accessories</b>						
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	•	•	•	•	•
<b>Cases</b>						
ANC3	Briefcase	•		•	•	•
ANC8	Mid-sized case		•			
<b>Thermocouples</b>						
ATA1	Alligator clip	•		•	•	•
ATWB1	Wet bulb	•		•	•	•
ATC1	Small pipe clamp		•	•	•	•
ATB1	Bead tip	•	•	•	•	•
<b>Heads</b>						
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	•			•	
<b>Pocket Tools</b>						
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

## Extension Tools

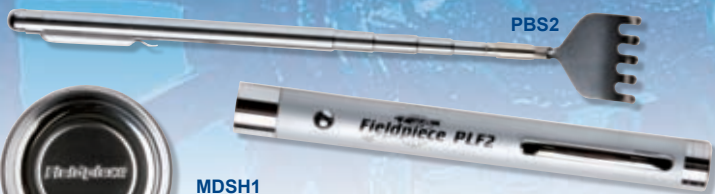
These tools make your job easier all day long. The pocket extension tools telescope to approximately 2 feet & have pocket clips. Chrome finish looks great.



PMG2

### PMG2: Lighted Magnet Tool

Can easily hold up to 3 pounds. Perfect for picking up dropped screws, keys, even tools. Bright LED shines through "donut-hole" magnet to direct light where you need it most.



PBS2

MDSH1



PAL1

PMR1

- PAL1: Alligator Clip Tool**
- PBS2: Magnetic Claw Tool**
- PLF2: Pocket LED Flashlight**
- PMR1: Adjustable Mirror Tool**
- MDSH1: Magnetic Parts Dish**

- PAL1 alligator extension makes lighting pilots a breeze.
- PBS2 combines a strong magnet with a clawed hand to grab out of reach parts. Also a great backscratcher.
- PLF2 fixed-length LED flashlight shorter than a writing pen.
- PMR1 extension mirror helps you see around corners.
- MDSH1 magnetic parts dish with 4" diameter and stamped "Fieldpiece" keeps all the loose fasteners in one place.



PLM2

### PLM2: Lighted Mirror Tool

Mirror adjusts in any direction and makes viewing in tight places possible. LED reflects light from the mirror to shine where you need it. Detach the mirror to use as flashlight.

### SNCV1: Non-Contact Voltage Tester

- Detects live AC voltage without contact.
- Bright red LED and loud beeper.
- Range: 24VAC to 440VAC.
- Senses 24VAC for thermostat power.
- Analog feel indicates strong and weak AC voltage fields.




SNCV1

# Replacement Fuses and Batteries

A blown fuse indicates it did its job.  
Replace it immediately.

## Fuses

## Batteries

MODEL (serial#)	RF16 (4)	0.1A/250V (5x20mm)	RFM66 (4)	0.25A/700V (6x32mm)	RFM70 (4)	2A/600V (6.35x25.4mm)	RFM74 (4)	0.5A/700V (6.35 x 32mm)	RFL712 (1)	12A/600V (10x38mm)	RFL83 (4)	10A/600V (6.35x25.4mm)	RFL83A (4)	10A/500V (6.35x32mm)	RFS74 (4)	0.5A/250V (5x20mm)	MODEL	RL736 (6)	RLR44 (2)	RCR2032 (1)
SC76 (<612588)	●																SWT2		●	
SC67	●																SPK1		●	
SC66	●																SPDM1		●	
LT83A (<70003091)					●						●						SNCV1		●	
LT83A (>70003091)					●							●					SIL2		●	
LT83 (<120808)											●		●				SIR2			●
LT83					●						●						SIP2		●	
LT17A		●															PLM2	●		
LT17 (<120149)	●																			
LT17 (>120149)	●				●															
LT16A			●	●																
LT16	●			●																
HS36 (<647936)			●																	
HS35 (<637606)			●																	
HB74 (<903006)									●				●							
HB74							●	●												

## How to tell if you need a fuse

### HB meters, big fuse:

1. Connect V to 10A input.
2. Select microamps range on dial.
3. "OL" means fuse is bad.

### HB meters,

### LT meters, small fuse:

1. Connect COM to MFD.
2. Select MFD range on dial.
3. If numbers count up, fuse is good.

### HS and SC meters:

1. Remove battery cover.
2. Connect V to negative battery terminal.
3. Select microamps range on dial.
4. "OL" means fuse is good.