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, EHDL1, HG2, PLM2, PMG2, AOXP2, ATBF1, ATA1, ATWB1, ANC3 case (see chart p.35)

Stick Style Meters

Slide the head onto meter or use deluxe silicone leads for remote connection.

HS33 HS35 HS36

Unique Features for HVAC/R:

Non-contact Voltage
Loud beeper and bright LED indicate the NCV tab is near AC voltages down to 24VAC.

Auto-ranging (HS35, HS36)
Automatically changes range for best resolution.

Temperature
Thermocouple plugs in directly for accurate readings, even in fast changing environments.

Microamps (HS35, HS36)
For flame rectifier diode tests.

Backlight (HS36)
To see display in the dark.

True RMS (HS36)
For non-sinusoidal wave forms.

HS36

Capacitance
For motor-run and motor-start capacitors.

And More

- Rugged rubberized case with magnetic hanger.
- Hi-voltage indicators you can't miss. Both LED and beeper turn on to indicate you've touched potentially dangerous voltage.
- Continuity indicated by LED and beeper.
- MAX/MIN automatically holds the highest or lowest measurement so you can view the display after you've disconnected.
- Low ohms range for motor windings and mid range for thermistors.
- Frequency (HS35, HS36) for variable frequency drives.
- Auto-power off to extend battery life.

On-the-go HVAC/R Testing

HS33

HS35

Specifications: *Features and Functions for the Real World*

Function	Range	Accuracy/ Resolution	HS33	HS35	HS36
Ranging			Manual	Automatic	Automatic
Counts			2000	4000	4000
AC Conversion			Average	Average	True RMS
Backlight					●
Bargraph				●	●
VAC	200m	1.2% + 5/0.1m	●	●	●
	2000m	1.5% + 5/1m		●	●
	40	1.5% + 5/0.01		●	●
	200	1.5% + 5/0.1m	●	●	●
	600	2% + 5/1	●	●	●
VDC	200m	0.5% + 2/0.1m	●	●	●
	2000m	0.5% + 2/1m	●	●	●
	20	0.5% + 2/0.01		●	●
	200	0.5% + 2/0.1	●	●	●
	600	0.5% + 2/1		●	●
AAC	20	2.7% + 7/0.1	●	●	●
	100	3.7% + 8/0.1	●	●	●
	400	5.0% + 10/1	●	●	●
ADC	400µ	1% + 2/0.1 µ		●	●
	4000µ	1% + 2/1 µ		●	●
˚F	200 ˚F	1°F/0.1	●	●	●
	1000 ˚F	1°F/1		●	●
MFD	200	3% + 5/0.1m	●	●	●
Hi-V Indicator		>30V	●	●	●
NCV		>24VAC	●	●	●
Ohms	200	1% + 4/0/1	●	●	●
	4K	1% + 4/1		●	●
	40K	1% + 4/10		●	●
	200K	1% + 4/100	●	●	●
	4M	1.5% + 4/1K		●	●
	20M	3% + 5/10K		●	●
Continuity			●	●	●
Diode			●		
HZ				●	●

● With ACH4 clamp head ● LED and beeper ● Range is 40XX, not 20XX

Temperature accuracies shown are after simple field calibration.

Replacement Fuses and Batteries

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

Fuses

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)
SC76	(<612588)		●						
SC67			●						
SC66			●						
LT83A	(<70003091)				●		●		
LT83A	(>70003091)				●			●	
LT83	(<120808)						●		●
LT83					●		●		
LT17A			●						
LT17	(<120149)	●							
LT17	(>120149)	●			●				
LT16A			●	●					
LT16		●		●					
HS36	(<647936)		●						
HS35	(<637606)		●						
HB74	(<903006)					●			●
HB74					●	●			

Batteries

MODEL	RL736 (6)	RLR44 (2)	RCR2032 (1)
SWT2		●	
SPK1		●	
SPDM1		●	
SNCV1		●	
SIL2		●	
SIR2			●
SIP2		●	
PLM2	●		

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.