

Fieldpiece HG2 HVAC Guide System Analyzer

- Superheat
- Combustion Analysis
- Target Evap Exit Temp
- Subcooling
- and NOW with
- CheckMe!® test

Do it Right!

Benefits

- Minimize call-backs
- Easier analysis
- Higher quality job
- More efficient technicians
- Download tests to PC
- Lower your customers' energy bills
- Less reliance on outside tech support
- Print work orders

How The HVAC Guide® Works:

The HVAC Guide® system analyzer walks the tech step-by-step through each test on the dial. **Results** with suggested actions are displayed right on the screen.

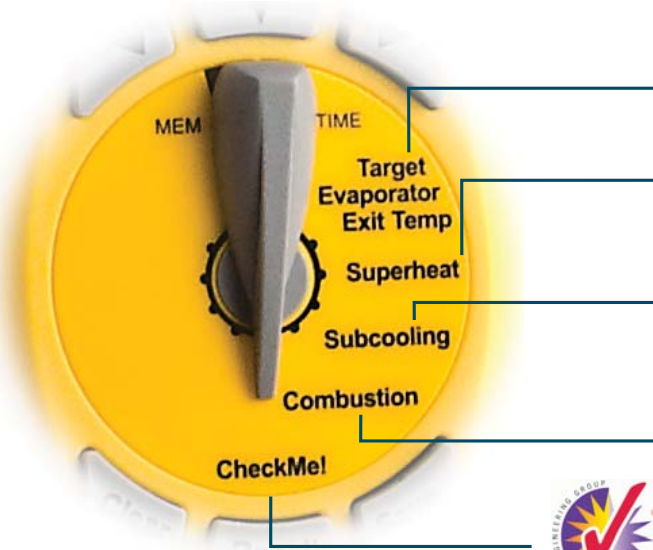
How CheckMe!® Works

Use the CheckMe!® test for advanced diagnostics of an A/C or Heat pump system. Many **Utility** companies now have CheckMe!® rebate or incentive programs.

- 1) Perform a CheckMe!® test on a system.
- 2) Make appropriate repairs to pass the CheckMe!® test.
- 3) Give test data to Proctor Engineering Group.
- 4) A certificate is sent to the customer.
- 5) The utility issues the rebate or incentive.



The Dial



Determine actual and **target evaporator exit temperature** by taking three temperature measurements.

Determine target and actual **superheat** from indoor wet bulb, outdoor dry bulb, suction line temperature, and suction line pressure.

Determine actual **subcooling** from liquid line temperature and pressure and compare to target subcooling.

Analyze the **combustion** process from flue temperature, %O₂, CO ppm, and primary temperature.



Advanced **CheckMe!**® test for determining the overall state of an A/C system.

Example of a CheckMe! Test

```

INPUT FORM
Sys Type: AC
Nom Ton: 5.0Ton
INDOOR UNIT
Meter Device: TXV/WEXU
ID Volts: 120V 1 phase
Return DB: 68.9°F
Return WB: 59.7°F
Supply DB: 53.2°F
OUTDOOR UNIT
Refrigerant: R-22
Rated Amps: 18.0A
OD Volts: 240V 1 phase
Target Subcool: 15.0°F
SL Pressure: 64.2psig
    
```



```

OUTPUT FORM
Charge unknown, check
charge.

Low airflow, increase
airflow until actual
temp split matches
target temp split.
Actual temp split is
15°F and target temp
split is 10°F.

Possible overcharge,
possibly remove
refrigerant.
    
```

1. Enter data on the INPUT FORM.
(complete INPUT FORM not pictured)

2. Press Output.

3. Read the results from the OUTPUT FORM.

HG2 Includes

- ATH4 Dual Temperature Head
- Wet Bulb T/C
- Dry Bulb T/C
- Padded Case
- USB Cable
- PC Software



Get the Kit!

Approved for CheckMe! Programs

Part # HG2KS4

Kit Includes:

- ASX14 Superheat/Subcool Head
- ATH4 Dual Temperature Head
- ATC1 Temp Pipe Clamp
- ACH4 Amp Clamp
- Wet Bulb Thermocouple
- Dry Bulb Thermocouple
- Padded Case
- USB Cable
- PC Software

