

# HVAC GUIDE<sup>®</sup>

## SYSTEM ANALYZER

- Superheat
- Combustion Analysis
- Target Evap Exit Temp
- Subcooling
- and **NOW with**
- CheckMe!<sup>®</sup> 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<sup>®</sup> Works:

The HVAC Guide<sup>®</sup> 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!<sup>®</sup> Works

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

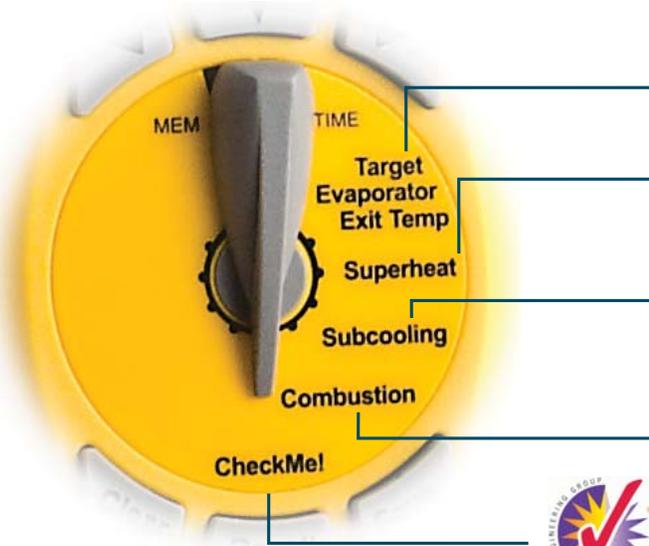
- 1) Perform a CheckMe!<sup>®</sup> test on a system.
- 2) Make appropriate repairs to pass the CheckMe!<sup>®</sup> test.
- 3) Give test data to Proctor Engineering Group.
- 4) A certificate is sent to the customer.
- 5) The utility issues the rebate or incentive.

To become a CheckMe!<sup>®</sup> certified technician and learn more about these utility rebate and incentive programs, contact Proctor Engineering Group at (888) 455-5742.



HVAC GUIDE  
Fieldpiece HG2





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, %O<sub>2</sub>, CO ppm, and primary temperature.



Advanced **CheckMe!**<sup>®</sup> 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/WXU
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

