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SMAN 2/3/4

SMAN4

Wireless 4-Port
Manifold and
Vacuum Gauge

THE Wireless Manifold for HVACR

Your SMAN4 is a 4-port manifold and vacuum gauge for HVACR professionals, plus it's the first wireless manifold on the market. It combines high pressure manifold gauges, a superheat/subcooling calculator, true micron gauge for vacuum, and dual temperature measurements into one easy-to-use instrument. Your SMAN4 calculates and displays target superheat and actual superheat to ensure proper charging of a unit. Your SMAN4's 4-port manifold has a big 3/8" vacuum port and 3/8" bore throughout the block for quicker recovery and evacuations.

Specifications

Refrigerants	39 (See side of box for list)	
Wireless Range	100 feet	
Batteries	1.5V AAA x 6	
Battery Life	125 hrs typical (display)	
Connector Type	3x Standard 1/4 NPT male flare fitting 1x Standard 3/8 NPT male flare fitting	
Measurement	Range	Best Accuracy/ Best Resolution
Pressure	0 to 560 Psig	±1Psi/0.1
Vacuum	29.92 inHg to 0.29 inHg	±0.2 inHg/0.1
Microns	50 to 6666	±10microns/1
Temperature	-76.7 to 669.9°F	±1°F/0.1

* System accuracy (SMAN4 4-type thermocouple after field calibration on T1 or T2)

Wireless 4-Port Refrigerant Manifold and Vacuum Gauge



4-Port
Convenience

SMAN4 Wireless 4-Port Refrigerant Manifold and Vacuum Gauge



Do More With Your Gauges

- Measures**
- 2 pressures
 - 2 temperatures
 - Vacuum in microns

- Calculates**
- Superheat and Subcooling Simultaneously
 - Target Superheat
 - Vapor and Liquid Saturation

3/8" Vacuum Port

The large 3/8" vacuum port and 3/8" full bore speeds up the evacuation or system leak test.

- Wireless Capabilities**
- Receive indoor wet bulb and outdoor dry bulb measurements from Fieldpiece heads using an ET2W or other wireless enabled device.
 - Send measurements to the HG3 System analyzer for deeper analysis and data storage.

Temperature Solutions

- Pipe clamps grip tight for fast, accurate measurements.
 - External call pots for easy field calibration.
- Display Designed for HVACR**
- Huge screen with the information you need.
 - Expanded temperature tolerances allow for testing in refrigerators and on rooftops.
 - Durable polycarbonate display cover.
 - Bright backlight.

4 Ports for One-Time Hookup

Connect to high side, low side, vacuum pump, and refrigerant tank. Then just use the valves as needed to remove non-condensables, and begin adding refrigerant.

Alarms and Stopwatch

High and low alarms can be set to trigger at the micron levels you want. Once an alarm is activated, the stopwatch starts. Set the low alarm when you start and know how long you have been evacuating. Set the high alarm when you've reached your desired evacuation level and see how long it takes to rise.

2-Point Pressure Calibration

Calibrate your pressure sensors by aligning tank pressure and ambient pressure.

And More:

- Front facing hose seats to limit dirt and grime entering your manifold.
- Mini-USB port for future firmware updates.
- Sight glass to view refrigerant flow.
- Pipe clamp storage "ears."
- Auto-Power-Off (APO).
- 39 refrigerants listed in order of popularity.

Do More with a Wireless Advantage

Send indoor and outdoor temperatures to the SMAN4 for real-time target superheat calculation. No more trekking back and forth between the evaporator and the condenser.

DO MORE

Wirelessly Send ID'd Measurements to Your HG3 HVAC Guide® System Analyzer
Data Log, Analyze Diagnosis, Save/print Reports for Customers

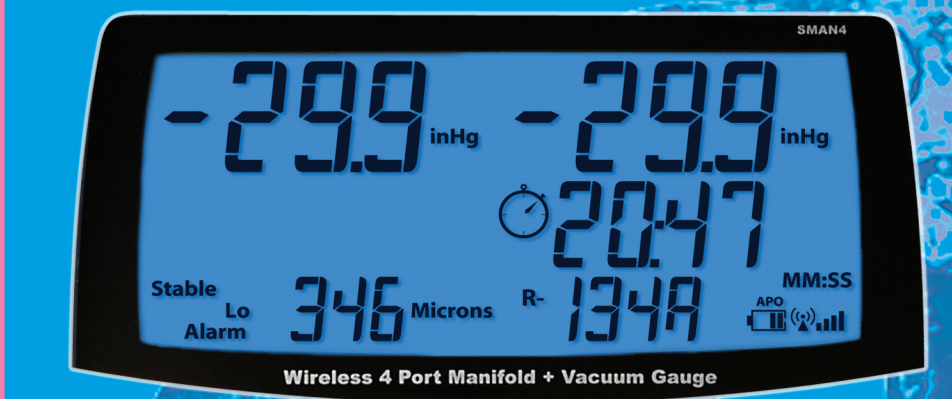
Store it Hanging

The hanger hook slides through the top of the padded pouch so you can hang your manifold in your truck while it is still being protected. You can even store your manifold with the hoses attached.

Optional Hard Case

Store your SMAN4 with hoses attached (Model ABM1)

Wireless 4-Port Digital Manifold and Vacuum Gauge



Shows What HVACR Pros Need to Know
As an HVACR pro, you want to always see pressures. You also need two temps, and a micron sensor for vacuum. You like to see superheat and subcooling. You want all of that available LIVE. The SMAN4 does all that and more.

Simultaneous Superheat and Subcooling
Connect your hoses, connect your thermocouples, and see how your charge is affecting superheat and subcooling.

RIGHT STUFF

3/8" Vacuum Port for Fast Evacuation

The large, 3/8" vacuum port (full bore) speeds up both evacuations and system leak tests. Just connect high and low sides and pull through the VAC port. Fieldpiece Manifolds use absolute pressure sensors for greater accuracy at varying elevations.

39 Factory Refrigerants Plus Free Updates via USB

R11, R113, R114, R12, R123, R124, R125, R13, R134A, R22, R23, R401A (MP39), R401B, R402A, R402B, R404A, R406A, R407A, R407C, R408A, R408A, R410A, R414B (Hotshot), R416A, R417A, R420A, R421A, R421B, R422A, R422B (N122B), R422C (Oneset), R422D, R424A, R434A (R5-45), R438A (MOR9), R500, R502, R503, R507A

- Target Superheat
- Simultaneous Actual Superheat and Subcooling
- 3/8" Full Bore for Vacuum
- Micron Gauge with Alarms

Send Real-Time Measurements to Your Wireless HVAC Guide® System Analyzer

Measures 2 pressures, 2 temperatures, wet bulb, and vacuum. Calculates target superheat and actual superheat and subcooling.



Wet Bulb and Dry Bulb Thermocouples Included for Target Superheat
Built-in P/T charts automatically calculate target superheat. Target superheat is then displayed on the screen for reference while you charge to actual superheat. The wet bulb and dry bulb measurements used for target superheat can also be entered manually. Alligator clips make it easy to attach thermocouples to condenser fins and air filters.



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