

# More Features More Answers



## Professional Jobs Made Easier



Professional-grade Instruments  
for HVACR Field Service

# Digital Manifolds Like No Others



The SMAN2 and SMAN3 are like no other digital manifolds on the market—they're the only manifolds that automatically calculate target superheat, so you don't have to worry about guesswork or manual calculations. Plus they're the only manifolds with the ability to perform a linear adjustment of the pressure sensors based on refrigerant type, temperature, and pressure, and it's so easy, you can do it right in the field.

With the SMAN3 you also get a built-in micron gauge with resolution from 50 to 9,999. On top of that, the SMAN3's exclusive micron alarm allows you to set the alarm to a chosen micron level, and when the vacuum reaches that level, the alarm will sound, freeing you up to keep working when pulling a vacuum.

By combining new technology with an intuitive, easy-to-use interface, the SMAN2 and SMAN3 make it easy for you to quickly maximize the efficiency of any A/C or refrigeration unit. And because they're built by the HVACR industry's leading innovator, you know it's packed with the features you want:

## What's Included:

### SMAN2:

Digital Manifold, Wet Bulb and Dry Bulb Thermocouples, Protective Case

### SMAN3 Adds:

Vacuum Gauge in Microns, (2) K-type Pipe-clamp Thermocouples

### Target Superheat

- Automatically Calculated from Measurements Taken
- No Guesswork

### Superheat and Subcooling

- Calculated and Displayed Simultaneously

### Multiline Backlit Display

- Resistant to Extreme Temperatures
- Viewable up to 20' Away

### K-Type Thermocouples

- Fast Reacting
- Accurate Temperatures
- Displays Actual Temperatures

### Field Calibration

- Quick and Easy
- Temperature
- 2-Point Pressure

### Micron Gauge Alarm (SMAN3)

- Alarm Sounds When Chosen Micron Level is Reached
- Frees Up Tech to Work While Pulling Vacuum
- 50 to 9,999 Range

### Vacuum Stopwatch (SMAN3)

- Tracks Time Vacuum Pump's Been Working
- Length of Time Can Indicate Hidden Issues

### Long Battery Life

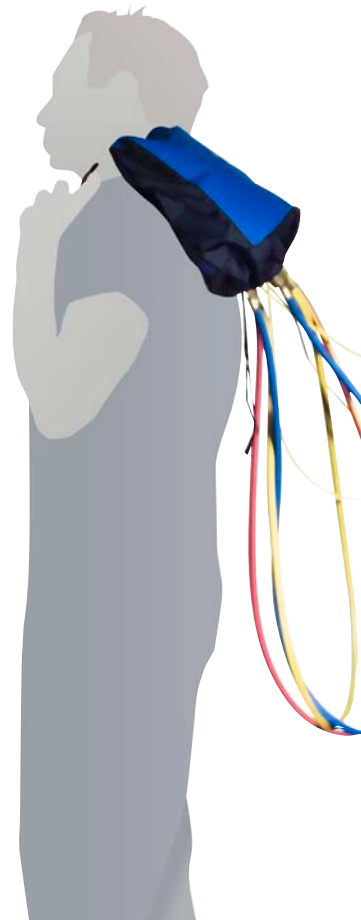
- 500 Hours on SMAN2
- 135 Hours on SMAN3
- Constant Battery Status
- Auto Power Off

### 39 Refrigerants

- Built-in P-T Charts

### Carrying Case

- Easy to Hang When Not Using
- Leave Hoses & Clamps Attached



Whether you choose the SMAN2 or SMAN3, you'll be backed by the customer service and high product standards that Fieldpiece has provided for more than 20 years. **To learn how these new digital manifolds can make your job easier, faster, and better, stop by your local distributor, or visit [www.fieldpiece.com](http://www.fieldpiece.com).**



View the SMAN video at:

[YouTube.com/FieldpieceProducts](http://YouTube.com/FieldpieceProducts)

## Specifications SMAN2 and SMAN3

**Operating environment:** 32°F to 122°F (0°C to 50°C) at <75% relative humidity

**Display size:** 5 inches (diagonal)

**Battery:** 6 x AA (Battery life based on alkaline type)

**Battery life (SMAN2):** Approx. 500 hours (without backlight)

**Battery life (SMAN3):** Approx. 135 hours (without backlight)

**Low battery indication:**  is displayed when the battery voltage drops below the operating level

**Auto Shut off:** 30 minutes of inactivity (switchable)

### Pressure

**Connector Type:** Standard 1/4 NPT male flare fitting

**Resolution:** 0.1 psi/inHg; 1 kPa/cmHg

**Accuracy:** 29" HgV to 0" HgV: ±0.2" HgV, 74 cmHgV to 0 cmHgV: ±0.4 cmHgV, 0 TO 200 PSIG: ±1 PSI, 0 to 1378 KPA: ±7 KPA, 200 TO 500 PSIG: ±0.3%+1 PSI, 1378 TO 3447 KPA: ±0.3%+7 KPA

**Range:** 29" HgV to 500Psig (English), 74 cmHgV to 0 to 4000KPa (Metric)

**Maximum Overload pressure:** 800 psig

**Units:** Psig, kPa, inHg, and cmHg

### Microns for Vacuum (SMAN3 only)

**Connector Type:** Standard 1/4 NPT male flare fitting

**Range:** 50 to 9999 microns of mercury

**Resolution:** 1 micron (50 to 2000 microns), 250 microns (2001 to 5000 microns), 500 microns (5001 to 8000 microns), 1000 microns (8001 to 9999 microns)

**Accuracy:** ±10% or ±10 microns, whichever is greater (50 to 1000 microns)

**Maximum Overload pressure:** 500 psig

**Units:** Microns of mercury

### Temperature

**Sensor Type:** K-Type thermocouple

**Range:** -76°F TO 999.9°F (-60°C TO 537.0°C)

**Resolution:** 0.1°F/°C

**Accuracy:** ±(1.0°F) -76°F to 199.9°F;

±(0.5°C) -60°C to 93°C

±(2.0°F) 200°F to 999.9°F;

±(1.0°C) 93°C to 537.0°C

Note: accuracies after field calibration.

