

Product Overview

HVACR Instruments



Sauermann offers a complete range of innovative and economical instrumentation solutions for important HVAC measuring parameters including Air Flow, Air Velocity, Humidity, Temperature, and Pressure

Thermo-Hygrometer

Si-HH3

- 0 to 100 %RH
- -40 to 140°F_{td}
(-40 to 60°C_{td})
- -4 to 140°F
(-20 to 60°C)
- Wireless Bluetooth® communication



Digital Differential Pressure Manometer

Si-PM3

- -24 to 60 inH₂O
(-150 to 150 hPa)
- Air velocity and airflow with Pitot tube (optional)
- Wireless Bluetooth® communication



Infrared Thermometer

Si-T13

- Optical: DS 12:1
- Adjustable emissivity
- -40 to 935°F
(-40 to 500°C)
- One second response time
- Wireless Bluetooth® communication



Dual Input Thermometer

Si-TT3

- Dual channel K thermocouple (two probes included)
- -328 to 2372°F
(-200 to 1300°C)
- Wireless Bluetooth® communication



Hotwire Thermo-Anemometer

Si-VH3

- 31.5" (80 cm) telescopic rod with double graduation
- 0 to 5905 fpm
(0 to 30 m/s)
- 14 to 140°F
(-10 to 60°C)
- Wireless Bluetooth® communication



Vane Thermo-Anemometer

Si-VV3

- Large vane probe with 6.5' (2m) cable
- 80 to 5905 fpm
(0.4 to 30 m/s)
- 14 to 140°F
(-10 to 60°C)
- Wireless Bluetooth® communication



Product Overview

Refrigeration / Digital Manifolds



Si-RM3



Si-RM1



DF 110



Si-RV3

Superheat
Subcool
Temperature
Pressure
Vacuum
Leak Detection
Smart Wireless Probes



Si-Manifold App



Si-RM13



Sauermann offers a new, unique, innovative and economical instrumentation solutions for our refrigeration professionals to quickly and easily monitor superheat, subcool, temperatures, pressures, vacuum and dangerous refrigerant gas leaks.

Smart Wireless Probes

Si-RM1

- Dual valve system for simultaneous measurement AND charge/discharge of refrigerant
- Range up to 870 psi (60 bar)
- Built-in Schrader® cores
- Condensation & evaporation temperatures
- IP54 protection



Digital NTC Temperature Probes

Si-RM2

- -40 to 302°F (-40 to 150°C)
- Real time superheat and subcooling calculations
- IP54 protection
- Eliminates need for manual calculations



Smart Wireless Manifold Probes

Si-RM3

- Measurement during charging
- Accurate high and low pressure
- Built-in Schrader® cores
- Real time superheat and subcooling calculations
- Bluetooth® communication



Smart Wireless Vacuum Probe

Si-RV3

- High accuracy Pirani® sensor
- Vacuum measurement during evacuation
- Range from 5 to 25,000 microns
- No need for hoses
- Built-in Schrader® cores
- IP54 protection
- Bluetooth® communication



Complete Manifold Kit w/ Bypass & Wireless Probes

Si-RM13

- Extra durability: Anodized aluminum body
- Measurement during charging
- Range up to 870 psi (60 bar)
- Built-in Schrader® cores
- Real time superheat & subcool
- Bluetooth® communication
- Includes set of 3 hoses



Refrigerant Leak Detector

DF110

- Detects all HCFC & HFC refrigerants
- Detects 5% hydrogen
- Heated diode sensor
- Sensitivity options: high, low & normal
- Manual & automatic autozero



Free App

Si-Manifold

- User friendly
- Stores up to 124 refrigerants
- Gauge, table and graphic visualizations
- Works with the SI-R Series
- Export reports easily
- Available for iOS and Android
- Bluetooth® with manifold & smart probes



Built with Quality In Mind



HVAC Instruments



Combustion Gas Analyzers



**Condensate Removal
Solutions**



Digital Manifolds



**Industrial Emissions
Analyzer**



**Indoor Air Quality
Monitors**



Sauermann
850 Town Center Drive
Langhorne, PA 19047
USA

+1 215-750-1212
sales.instruments@sauermanngroup.com

More information
www.sauermann.us / www.e-inst.com