sauermann®

THE EASY-TO-USE HVACR MEASURING INSTRUMENTS RANGE

It's all about simplicity

www.sauermanngroup.com

THE EASY-TO-USE HVACR MEASURING INSTRUMENTS RANGE

over 40 years of measurement expertise

It's all about simplicity

For over 40 years, Sauermann has designed, manufactured and sold products and services dedicated to industrial and HVACR markets.

The Group specifically focuses on the detection, measurement and control of Indoor Air Quality for HVACR professionals.

We offer a full range of easy-to-use instruments comprised of: Dual Input Thermometer (Si-TT3), Infrared Thermometer (Si-TI3), Thermo-Hygrometer (Si-HH3), Vane Thermo-anemometer (Si-VV3), Hotwire Thermo-anemometer (Si-VH3) & Digital Differential Pressure Manometer (Si-PM3).

These comprehensive instruments measure a variety of parameters including: Temperature, Relative Humidity, Pressure, Air velocity and Airflow.

Our user-friendly Si-HVACR Measurement MobileApp completes the range by displaying measurement data right on your smartphone or tablet.

Product Overview

Simplicity and ease-of-use: our range of HVACR measuring instruments

Si-VV3

Si-PM3

Si-VH3

Si-HH3

Mobile App
Magnetic backing
Low consumption device
Carrying bag
Backlit LCD screen

Si-TT3

Si-TI3

Si-HVACR Measurement MobileApp

Backlit LCD screen

Low consumption device

Magnetic backing for easy fixing

Carrying bag

Calculated values on mobile App

Telescopic rod with double graduation

Air velocity and airflow with Pitot tube
(optional)

Large vane probe with 2-meter cable

Adjustable emissivity

Si-HVACR Measurement MobileApp

The Si-HVACR Measurement MobileApp allows to view and record measurements in real-time.

Main features:

- Easily view different parameters
- Browse saved measurements history and data graphs (average, min & max values, etc.)
- Create reports (PDF, CSV, or XML) and add up to four (4) photos

GET IT ON Google Play

Download on the App Store

Technical information

Measuring HVACR parameters has never been easier

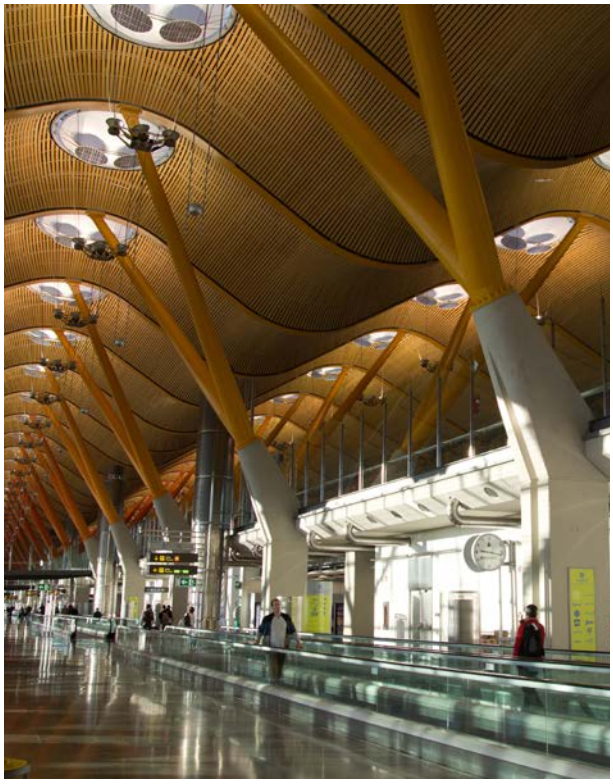
	Si-PM3	Si-HH3	Si-TT3	Si-TI3	Si-VV3	Si-VH3
Differential Pressure	✓	-	-	-	-	-
Air velocity and airflow with Pitot tube (optional)	✓	-	-	-	-	-
Relative humidity	-	✓	-	-	-	-
Dew point	-	✓	-	-	-	-
Absolute humidity	-	✓	-	-	-	-
Enthalpy	-	✓	-	-	-	-
Mixing ratio	-	✓	-	-	-	-
Wet bulb temperature	-	✓	-	-	-	-
NTC temperature	-	✓	-	-	✓	✓
K thermocouple temperature	-	-	✓	-	-	-
Infrared temperature	-	-	-	✓	-	-
Ambient temperature	-	✓	-	✓	-	-
Air velocity	-	-	-	-	✓	✓
Airflow	-	-	-	-	✓	✓
Carrying bag	✓	✓	✓	✓	✓	✓
Magnets at backside	✓	✓	✓	-	✓	✓
Auto shut-off	10 minutes	10 minutes	10 minutes	15 seconds	10 minutes	10 minutes
Battery life	170 hours	250 hours	400 hours	14 hours	120 hours	20 hours
Mobile application	✓	✓	✓	✓	✓	✓
Warranty	2-year	2-year	2-year	2-year	2-year	2-year

Measuring ranges

Measuring HVACR parameters has never been easier

	Si-PM3	Si-HH3	Si-TT3	Si-TI3	Si-VV3	Si-VH3
Differential Pressure	-150 to +150 hPa -60 to 60 inH_20	-	-	-	-	-
Air velocity with Pitot tube (optional)	2 to 80 m/s 394 to 15748 fpm	-	-	-	-	-
Airflow with Pitot tube (optional)	0 to 9999 m^3/h	-	-	-	-	-
Relative humidity	-	0 to 100%RH	-	-	-	-
Dew point	-	-40 to +60°C_{Td} -40 to 140°F_{Td}	-	-	-	-
Absolute humidity	-	0 to 600 g/m^3	-	-	-	-
Enthalpy	-	0 to 10000 kJ/kg	-	-	-	-
Mixing ratio	-	0 to 10000 g/kg	-	-	-	-
Wet bulb temperature	-	0 to 60°C_{Tw} 32 to 140°F_{Tw}	-	-	-	-
NTC temperature	-	-20 to +60°C -4 to 140°F	-	-	-10 to +60°C 14 to 140°F	-10 to +60°C 14 to 140°F
K thermocouple temperature	-	-	-200 to +1300°C -328 to 2372°F	-	-	-
Infrared temperature	-	-	-	-40 to +500°C -40 to 932°F	-	-
Ambient temperature	-	-20 to +60°C -4 to 140°F	-	0 to 50°C 32 to 122°F	-	-
Air velocity	-	-	-	-	0.4 to 30 m/s 78.7 to 5905 fpm	0 to 30 m/s 0 to 5905 fpm
Airflow	-	-	-	-	0 to 9999 m^3/h 0 to 9999 m^3/min 0 to 9999 m^3/s 0 to 9999 cfm	0 to 9999 m^3/h 0 to 9999 m^3/min 0 to 9999 m^3/s 0 to 9999 cfm

Sauermann's range of instruments measures a variety of parameters, and can be applied to a diverse set of HVACR applications:
boiler rooms, domestic hot water, ventilation installations, air handling units, cold rooms, hospitals, museums, universities, server rooms, green houses, warehouses, and general indoor air quality measurements.



Manufacturer of innovative solutions for the measurement and control of indoor air quality.

INsights

Expert advice on HVACR condensate management and measurement instruments

sauermanngroup.com/insights

cofrac ETALONNAGE SCOPE N°2-6860 AVAILABLE ON WWW.COFRAC.FR

Accredited temperature laboratory as per ISO 17025 standard

KIMO can perform COFRAC calibrations on any type of thermometer (measuring chain, Pt100, thermocouple, etc.) within a range from -70 to +200°C in thermostatic chambers and in baths.

cofrac ETALONNAGE SCOPE N°2-6861 AVAILABLE ON WWW.COFRAC.FR

Accredited hygrometry laboratory as per ISO 17025 standard

KIMO can perform COFRAC calibrations on any type of hygrometer within a range from 10 to 95 %RH, for a dry temperature from +10 to +50°C.

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More information
www.sauermanngroup.com

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