

BlueLine®

BlueAir-ST®

Air velocity and air flow meter





- High accuracy for exact analysis
- Choice of different probes
- Expandable for many other measured variables with the CAPBs® units

Application

BlueAir-ST® is an accurate and modular instrument for measurements of air velocity, air flow, temperature and humidity. The device was developed to check and adjust ventilation systems and serves to measure flow speeds of gaseous and liquid media. It features high precision and robustness and is especially suitable for mobile and laboratory applications. Unique is the large temperature range of the vane probes from -20 to 140 °C.

Functionality

The compact device is equipped with a simple menu navigation via a large TFT color display. Three values can be displayed simultaneously. A lithium-ion battery with a durability up to 40 hours guarantees a long operation time.



At the top of BlueAir-ST® are two plugs for following probes:

- Junior micro vane probe (diameter 11 mm)
- Junior mini vane probe (diameter 22 mm)
- Junior macro vane probe (diameter 85 mm)

For enough freedom of movement, the vane probes have a cable length of 1.5 meters. The device detects all probes automatically.

The BlueAir-ST® provides minimum, maximum and average values. By entering the dimensions of the ventilation duct the amount of air can be calculated. The device can be optionally equipped with a microSD card to store the measured values. A data logger function for automatic storage of measured values with adjustable frequency from 0 to 999 seconds is another possibility of the BlueAir-ST®. The device is also equipped with Bluetooth® communication to transfer the measurement values to the free EuroSoft® connect App (iOS, Android and Windows).



EuroSoft® connect app





General specifications

Dimensions (H x W x D)	143 x 66 x 37 mm, with protective sleeve
Weight	Approx. 220g
Display type	2.8" TFT color screen (240 x 320 pixels)
Operating temperature	0 to 40 °C
Storage temperature	-20 to 50 °C
Power supply	3.6 V / 1.8 Ah Li-Ion battery
Battery life	Up to 20 hours in normalmodus
	Up to 30 hours in Auto-modus
	Up to 40 hours in Eco-modus
Ingress protection rating	IP40
Guarantee	Standard 2 years

Measurement units

Air speed	m/s or km/h
Airflow	m³/h, l/s or m³/s
Relative Humidity	% rh
Temperature	°C or °F

Vane probes

Definition	Junior micro	Junior mini	Junior macro
			
Air velocity (nom.)	0.6 to 20 m/s	0.4 to 20 m/s	0.3 to 20 m/s
Air velocity (max.)	0.7 to 40 m/s	0.5 to 40 m/s	0.3 to 40 m/s
Accuracy	± 2.0 % fs	± 1.0 % fs	± 1.0 % fs
	± 5.0 % RDG	± 3.0 % RDG	± 3.0 % RDG
Resolution	0.01 m/s	0.01 m/s	0.01 m/s
Temperature medium	-20 to 140 °C	-20 to 140 °C	-20 to 140 °C
Sensor size	Ø 11 mm x 15 mm	Ø 22 mm x 28 mm	Ø 85 mm x 80 mm
Probe length	165 mm	175 mm	235 mm
Cable length	1.5 m	1.5 m	1.5 m

Sets

	Part no.
BlueAir-ST® Junior micro vane probe starter set	P00023
BlueAir-ST® Junior mini vane probe starter set	P00022
BlueAir-ST® Junior macro vane probe starter set	P00024

Optional accessoires

	Part no.
Junior micro vane probe	524318
Junior mini vane probe	524319
Junior macro vane probe	524320
Thermal printer EUROprinter IR	522394
Telescopic extension rod VLS 1000	523628
Bluetooth® USB dongle for Windows	500857



i Each set includes instrument, vane probe, USB charger / AC adapter, microSD card with USB card reader, instruction manual and case.

SYSTRONIK

SYSTRONIK GmbH is specialized in development and production high quality measuring instruments for flue gas analysis, testing and maintaining HVAC installations, climate and environmental technology. All SYSTRONIK products satisfy the highest standards for quality, reliability and safety.

Our facilities are certified to full operational requirements of the ISO 9001 quality standard. We are constantly striving to improve our quality assurance position with input from periodic audits by independent experts required for continued certification.



SYSTRONIK

Messtechnologie

Member of AFRISO-EURO-INDEX group

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