

Schiltknecht

swiss precision

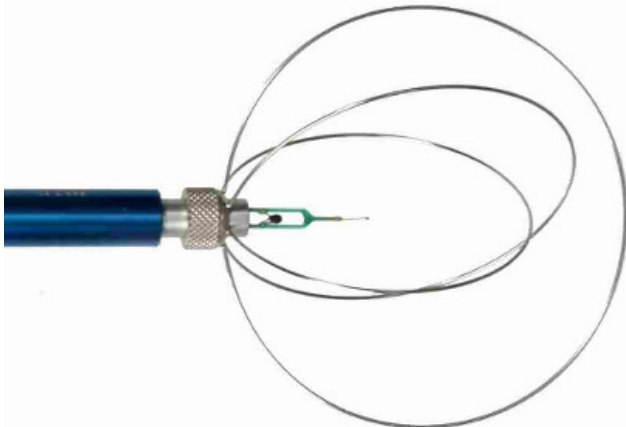
ThermoAir3

Thermoelectric Anemometer



The ThermoAir3 is our specialist instrument for measuring very small air flow rates and determining degree of turbulence, as well as for humidity measurements.

- Flow from 0,015 m/s
- Multi-sensor anemometer for thermoelectric flow sensors and humidity measurements
- Automatic temperature compensation
- 100% guaranteed measuring tolerance



Types:

- **Indication unit ThermoAir3**
- **Probe TA3 Directional**
Probe 0,015 - 1 m/s
Probe 0,015 - 5 m/s
- **Probe TA3 Omnidirectional**
Probe 0,015 - 1 m/s
Probe 0,015 - 5 m/s
- **Humidity probe TA3** 0 - 99% rF
- **Temperature probe TA3** -20 - + 60°C



S Schweizerischer Kalibrierdienst
S Service suisse d'étalonnage
S Servizio Svizzero di taratura
S Swiss Calibration Service

SCS 046



The ThermoAir3 is our specialist instrument for measuring very small air flow and determining degree of turbulence. Relative humidity can also be measured with the separate humidity sensor. The automatic temperature compensation, barometric pressure correction for local altitude, simple zero adjustment, individually adapted measuring sensors and our SCS wind tunnel guarantee high precision measurement and simple handling.

ThermoAir3

Thermoelectric Anemometer

Typical applications for this instrument are very small flow rate measurements in the lab., in clean rooms, air conditioning, drying and refrigeration installations, plus workplace comfort and well-being measurements.

| Thermoelectric Air Probe | Version | Measuring Range | Operating Temperature |
|--|--|--|--|
| ThermoAir3 | directional / omnidir. | 0,015 - 1 m/s | 0 to +40°C |
| ThermoAir3 | directional / omnidir. | 0,015 - 5 m/s | 0 to +40°C |
| Accuracy of - Flow at 22°C: - Temperature: Temp.compensation Value Zero point | 1 m/s ±1,0% fs and ±1,5% rdg. 5 m/s ±0,5% fs and ±1,5% rdg. 1 m/s ±1,0% fs. and ±2,0% rdg./10°C 5 m/s ±0,5% fs. and ±2,0% rdg./10°C 0 to +40°C ±2% rdg. / 10°C ±1% fs / 10°C | | |
| Probe Head dim. Shaft dim. Angle of approach Length of probe Length of cable . | Probe Directional Ø 8 mm Ø 15 mm +/- 30° 300 mm 1,5 m | Probe Omnidirectional with protection basket Ø 110 mm Ø 15 mm +/- 180° 310 mm 1,5 m | |
| Humidity Probe Humidity Temperature | Measuring range 0 - 99% rh - 20 to 60°C | Resolution 0,1% rh 0,1 °C | Accuracy +/- 3% rh +/- 0,5 °C |
| Media Measuring range Indication Measuring rate Supply / Battery Current consumption Lifetime of battery Output Case dimension Case protection type Weight Air humidity Working standard | Dry instrument air or inert gases Flow: m/s or Humidity % rh Temperature °C LCD 4 Digits 2 measurings / sec. Battery (1 x 9 V. Leclanché LR22-9 V) or external mains adapter approx. 40 mA approx. 4,5 hours. Flow or Humidity 0 to 1 Volt Temperature 10 mV/°C 0 V = -30°C Output for Mini2Logger (interval 0,5 s) 80 x 145 x 39 mm IP 40 Approx. 300 g 0 to 90% rh, non-condensing Laser controlled wind tunnel (cert. according to ISO 17025) | | |

Customer special version on demand.

Specification subject to change without notice

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