



ThermoAir6/64

Thermoelectric probe

The probe ThermoAir6/64 is suited for measuring small flow ranges of gaseous media. Specially suitable for controls and monitoring functions. The integrated temperature compensation and individual calibration in our accredited SCS wind tunnel are a guarantee of high precision.

Types:

- **ThermoAir6** **Directional 0 - 1 V**
0,01 - 1 m/s or 0,15 - 5 m/s
- **ThermoAir6** **Omnidir.0 - 1 V**
0,01 - 1 m/s or 0,15 - 5 m/s

- **ThermoAir64** **Directional 4 - 20 mA**
0,01 - 1 m/s or 0,15 - 5 m/s
- **ThermoAir64** **Omnidir.4 - 20 mA**
0,01 - 1 m/s or 0,15 - 5 m/s



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

SCS 046



The flow sensor ThermoAir6 / 64 is suited for measuring small flow ranges of gaseous media.

The integrated temperature compensation and individual calibration in our accredited SCS wind tunnel are a guarantee of high precision.

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Typical applications are:

- Air conditioning and heating engineering
- Clean room and process measuring
- Environment

	ThermoAir6 / 64 Directional	ThermoAir6 / 64 Omnidirectional
Box with probe <u>Measuring range:</u> Flow <u>Accuracy :</u> Flow 0.01 to 1 m/s at 22°C: 0.15 to 5 m/s Auto. Temp.compensation Dependence:	0.01 - 1 m/s 0.15 - 5 m/s ±1.0% fs. and ±1.5% rdg. ±0.5% fs. and ±1.5% rdg. 0 to 40°C ±0.5% fs./°C ±0.07% rdg./mbar	0.01 - 1 m/s 0.15 - 5 m/s ±1.0% fs. and ±1.5% rdg. ±0.5% fs. and ±1.5% rdg. 0 to 40°C ±0.5% fs./°C ±0.07% rdg./mbar
Probe Head dim. Shaft dim. Operating temperature Angle of approach Access opening Length of probe Length of cable Storage temp.	Ø 8 mm Ø 15 mm 0 to +40°C +/- 30° Ø 9 mm 300 mm 1.5 m -30 to +90°C	with protection basket Ø 110 mm Ø 8 mm Ø 15 mm 0 to +40°C +/- 180° 310 mm 1.5 m -30to +90°C
Media Reaction time Supply Current consumption Output Case dimension Case protection type Weight Operating temp. Storage temperature Air humidity Working standard	Dry instrument air or inert gases damped: $1\tau = 2$ sec. / Option: undamped: $1\tau = 100$ ms external supply 15 - 26 Volt DC ThermoAir6: approx. 35 mA ThermoAir64: approx. 40 - 60 mA ThermoAir6 Flow: 0 to 1 Volt (max. 1 mA) ThermoAir64 Flow: 4 to 20 mA (max. 500 Ω) 100 x 60 x 35 mm IP 40 (Aluminium case) Approx. 250 gram -0 to 40°C -30 to 90°C 0 to 90% rh. non-condensing Laser controlled wind tunnel (cert. in accord. with SN EN 45001)	

Customer special version on demand.

Specification subject to change without notice

Schiltknecht
swiss made

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