



## 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



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

SCS 046



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# ThermoAir6/6

## Thermoelectric probe

Typical applications are:

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

	<b>ThermoAir6 / 64 Directional</b>	<b>ThermoAir6 / 64 Omnidirectional</b>
<b>Box with probe</b> <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
<b>Probe</b>  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	<b>with protection basket</b> 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: $1\tau = 5 \text{ sec.}$ / Option: undamped: $1\tau = 500 \text{ ms}$ external supply        15 - 26 Volt DC ThermoAir6: approx. 35 mA ThermoAir64: approx. 40 - 60 mA <b>ThermoAir6        Flow:        0 to 1 Volt (max. 1 mA)</b> <b>ThermoAir64      Flow:        4 to 20 mA (max. 500 Ω)</b>  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