



# 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  
**S** Service suisse d'étalonnage  
**S** Servizio Svizzero di taratura  
**S** Swiss Calibration Service



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

# ThermoAir6/64

## Thermoelectric probe

Typical applications are:

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

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