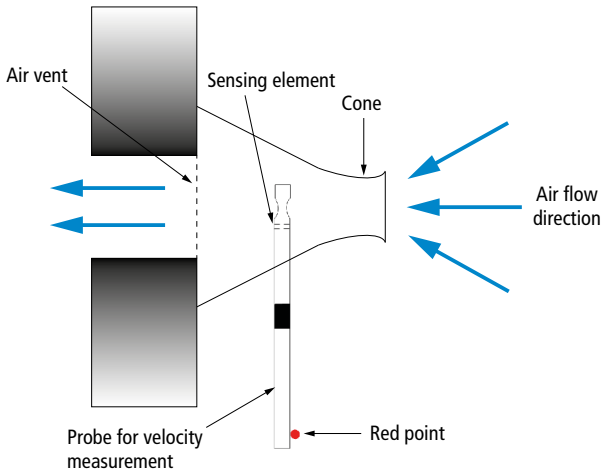
DATA SHEET

AIRFLOW CONES FOR Ø 8 mm HOTWIRE ANEMOMETERS

Airflow cones are essential instruments for direct measurement of airflow in ventilation and air-conditioning systems.
These instruments can be used with the Kimo Ø 8 mm hotwire anemometers from classes 110, 210 and 310 portable instruments.

- **Supply or exhaust volume flow rate measurement**
- **Suitable for the Ø 8 mm hotwire anemometers**
- **Available in several dimensions**
- **Supplied with a transport bag and a Quick Start Guide**



Measurement principle

The direction and the homogeneity of the incoming and outcoming air flow are often disrupted by the geometry of the HVAC grilles. Therefore, it is necessary to funnel the flow to the probe's sensor.

The probe and its sensing element are located in a well known section of the cone which guarantees a correct measurement.




Designation (Sales reference)	K35 (10374)	K75 (10637)	K120 (11595)	K150 (11926)
Flow	10 to 400 m³/h	30 to 750 m³/h	50 to 1,200 m³/h	10 to 400 m³/h
Dimensions	200 x 200 mm Height: 330 mm	300 x 300 mm Height: 470 mm	450 x 450 mm Height: 600 mm	550 x 100 mm Height: 585 mm
Weight	800 g	1,400 g	1,700 g	1,400 g
Material	Fibreglass 300 PLP	Fibreglass 300 PLP	Fibreglass 300 PLP	Fibreglass 300 PLP

Kit content

All the cones for hotwire anememometers are supplied with:

- 1 x Transport bag with zip fastening and adjustable shoulder strap
- 1 x Quick Start Guide

How to use the air flow cones

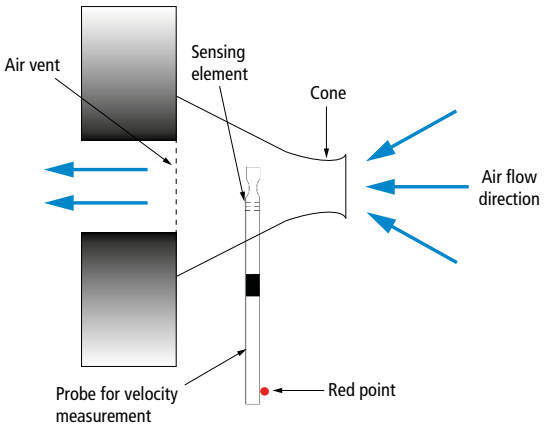
1. Put the Ø 8 mm hotwire probe on the cone

- Slide the hotwire anemometer probe red protection towards the bottom of the probe.
- Clip the probe into the slide on top of the cone's handle.
- Put the sensing element at the centre of the orifice and perpendicularly to the air flow.
- Remember to slide the protection back on the sensing element of the probe.

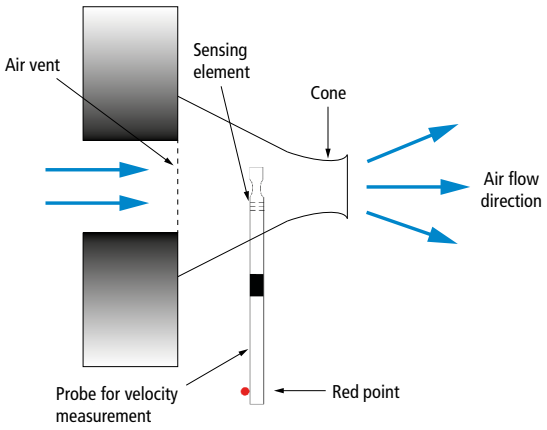
Red point at the bottom of the hot wire probe must face airflow.

Put the sensing element at the center of the section

EXHAUST

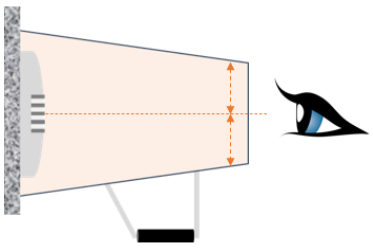


SUPPLY



2. Put the cone on the air vent

- Position the cone against the wall (the support).
- Centre the cone for best results.
- Make sure the cone is tight against the wall.



Compatibility with our portable devices and probes

Designation (Sales reference)		
VT 110 (24621)		Thermo-anemometer with straight hotwire probe, calibration certificate and soft transport case
VT 110 S (24714)		Thermo-anemometer with straight hotwire probe, adjustment certificate and soft transport case
AMI 310 + SFC 300 (refer to specific data sheet)		AMI 310 + SFC 300 hotwire probe (air velocity, airflow and temperature), transport case, calibration certificate, 1 charger, 1 USB cable, 2 mini-DIN cables for probe.
VT 210 F (24737)		VT 210 + SFC 300 hotwire probe (air velocity, airflow and temperature), transport case, calibration certificate, 1 charger, 1 USB cable, 2 mini-DIN cables for probe.
MP 210 + SFC 300 (refer to specific data sheet)		MP 210 + SFC 300 hotwire probe (air velocity, airflow and temperature), transport case, calibration certificate, 1 charger, 1 USB cable, 1 mini-DIN cable for probe.

Please refer to devices data sheets for more details on our probes and handheld instruments technical specifications.