

DATA SHEET

AIRFLOW CONES FOR 4" * DIAMETER (100 mm) VANE ANEMOMETERS



Airflow cones are essential tools for directly measuring airflow in ventilation and air conditioning systems. These instruments can be used with Kimo's 4" * diameter (100 mm) vane anemometers from the 110 portable series.

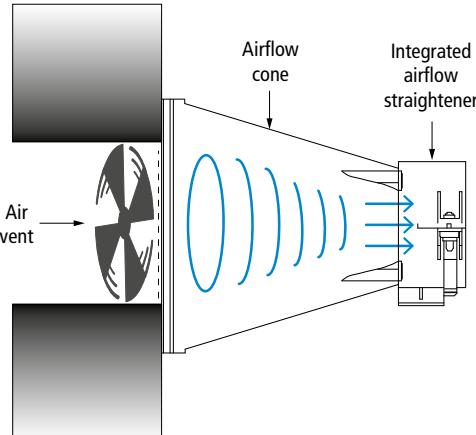
-  Supply and exhaust volume flow rate
-  Designed for all major air vents
-  For 4" * diameter (100 mm) vane anemometers
-  Compact, easy-to-handle one-piece design
-  Integrated airflow straightener
-  Transport bag and Quick Start Guide

Measurement principle

The Kimo Si-K25 and Si-K85 cones come with a built-in honeycomb airflow straightener that minimizes turbulence for more precise airflow measurements. They are designed to provide accurate readings of both straight and turbulent airflow across all major ventilation grilles and plate outlets, including multidirectional ones.



These cones have a compact unibody design with no assembly required, making them easy to handle, even in tight spaces.



Cones for 4" * diameter (100 mm) vane anemometers



Model (part number)	Si-K25 (28111)	Si-K85 (28112)
Flow	5.9 to 235.4 cfm (10 to 400 m³/h)	5.9 to 235.4 cfm (10 to 400 m³/h)
Internal dimensions	10 15/16" diameter (260 mm)	13 50/64" x 13 50/64" (350 x 350 mm)
External dimensions	L 11 7/16" x W 11 7/16" x H 10 35/64" (L 282 x W 282 x H 268 mm)	L 14 41/64" x W 14 41/64" x H 12 55/64" (L 372 x W 372 x H 327 mm)
Weight	1.66 lbs (750 g)	3.1 lbs (1,400 g)
Material	PC-ABS	PC-ABS
Storage temperature	-4 to 140 °F (-20 to 60 °C)	-4 to 140 °F (-20 to 60 °C)

Integrated airflow straightener

To ensure even more reliable measurements, this next-generation cone features a honeycomb structure that minimizes turbulence and creates a laminar flow, making it suitable for vane anemometers on all types of vents.

*3 15/16" diameter.

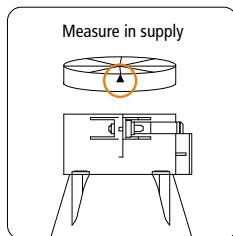
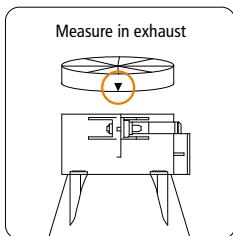
Available kits

Designation (Sales reference)	1 x Si-K25 Round Cone 10 $\frac{15}{64}$ " diameter (260 mm)	1 x Transport bag for Si-K25 Round Cone	1 x Si-K85 Square Cone 13 $\frac{50}{64}$ " x 13 $\frac{50}{64}$ " (350 x 350 mm)	1 x Transport bag for Si-K85 Square Cone	1 x LV110 S Portable vane anemometer	1 x Soft case for LV110 S	Adjustment certificate for LV110 S	Quick start guide
Si-K25 (28111)	✓	✓	-	-	-	-	-	✓
Si-K85 (28112)	-	-	✓	✓	-	-	-	✓
Si-CONESKIT1 (28113)	✓	✓	✓	✓	-	-	-	✓
Si-CONESKIT2 (28114)	✓	✓	✓	✓	✓	✓	✓	✓
Si-CONESKIT3 (28122)	✓	✓	-	-	✓	✓	✓	✓
Si-CONESKIT4 (28123)	-	-	✓	✓	✓	✓	✓	✓

How to use the air flow cones

1. Put the 4"** diameter (100 mm) vane probe on the cone

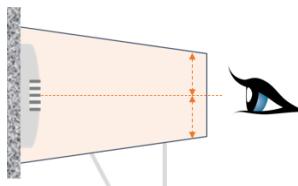
- Open the lever and attach the vane probe to the end of the cone. Position the vane probe at the bottom of the slot and close the lever.
- For exhaust measurements, orient the vane so the arrow points toward the inside of the cone. For supply measurements, position the vane so the arrow points toward the outside of the cone.



2. Put the cone on the air vent



Hold the cone by the cone handle.
Do not hold the assembly by the vane probe handle.



- Position the cone against the wall.
- Center the cone for best results.
- Make sure the cone is pressed tightly against the wall.



Do not pull on the probe handle when taking the 4"** diameter (100 mm) vane probe out of the cone.



Compatibility with our portable devices and probes

Model (part number)

LV 110 (24625)		4"** diameter (100 mm) remote vane probe thermo-anemometer with calibration certificate and soft transport case.
-------------------	--	--

LV 110 S (24726)		4"** diameter (100 mm) remote vane probe thermo-anemometer with adjustment certificate and soft transport case.
---------------------	--	---

LV 130 (24626)		4"** diameter (100 mm) integrated vane probe thermo-anemometer with calibration certificate and soft transport case.
-------------------	--	--

LV 130 S (24717)		4"** diameter (100 mm) integrated vane probe thermo-anemometer with adjustment certificate and soft transport case.
---------------------	--	---



Reference device data sheets for more information on the technical specifications of our probes and handheld instruments.

*3 $\frac{15}{16}$ " diameter.

sauermannngroup.com

