



Datasheet

# Indoor windcap ACC-IW

Microflown Technologies  
Tivolilaan 205  
6824 BV Arnhem  
The Netherlands

Phone : +31 880 010 811  
Fax : +31 880 010 810  
Mail : [info@microflown.com](mailto:info@microflown.com)  
Web : [www.microflown.com](http://www.microflown.com)

# INDOOR WINDCAP

Extending the usage of particle velocity in presence of light wind

## Indoors protection and bigger Scan & Paint marker

The Microflown 1/2 inch Indoors windcap is specially developed for performing measurements under light wind conditions. It is usable for any 1/2 inch, regular size probe and suitable for pressure and velocity channels, removing the effect of the DC flow in your results.

The 1/2 inch indoors windcap is made of a combination of material layers, allowing the measurement of the particle velocity with wind conditions, up to 15 m/s.

# I. COMPATIBLE PROBES

Probe type	Diameter	Maximum level range		Temperature range
		Pressure	Velocity	
PU regular	12.7 mm	110 dB	125 dB	-17 to 63



USP regular

12.7 mm

110 dB

135 dB

-17 to 63



\*SPL ref:  
20 e-5 Pa

\*PVL ref:  
50 nm/s

## II. CHARACTERISTICS TABLE

Parameter	Value	Unit/ note
Radius	3	cm
Length	10	Cm
Weight	12	g
Probe fixture	Rubber ring	
Insertion correction	Fc5=65Hz	

## III. WINDCAP EFFECT

The effect of the windcap in the sensitive behavior is modelled by a high pass filter which corner frequency,  $f_{c5}$  is 65 Hz.

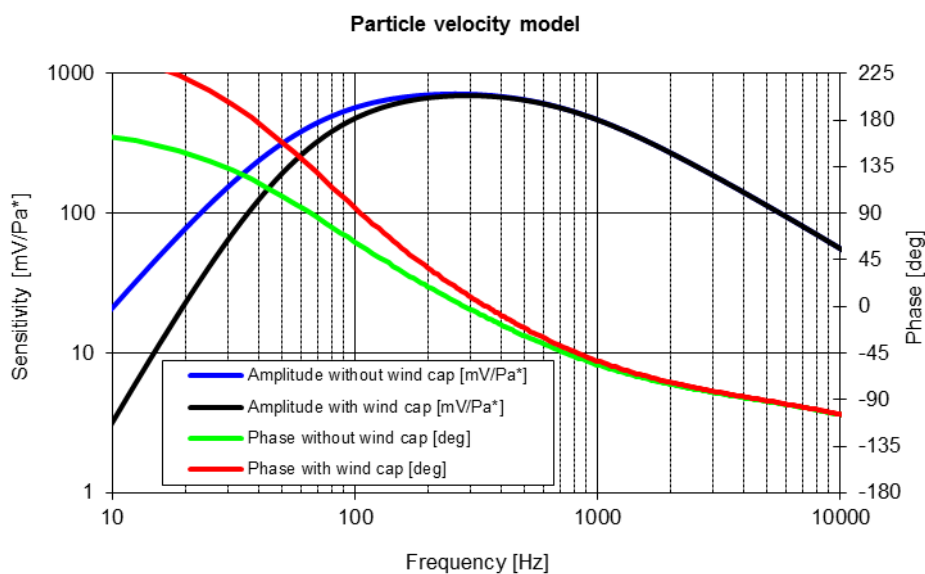


Figure 1. Response of sensor + windcap

## IV. USAGE AND PRECAUTIONS



- The windcap holder is very tight to the probe in order to keep it in place while measuring. For this reason, the user should take care not to damage the protection metal mesh of the probe while inserting/removing the windcap.

## V. TECHNICAL SUPPORT

For any problem or doubt with your equipment, please contact Microflown™ Technologies Customer service:

- Mail: [cs@microflown.com](mailto:cs@microflown.com)
- Skype: [cs.microflown](https://www.skype.com/join/cs.microflown)
- Telephone: +31(0) 88 001 08 11 Monday to Friday, from 9:00 to 17:00 (UTC+1).

## VI. WARRANTY POLICY, REPAIRS AND REPLACEMENTS

### WARRANTY AND REPLACEMENT OR SUBSTITUTION

During the first two years (24 months) the seller offers a warranty on all its products, except for trading items and third party manufactured items. The seller warrants that all products will be free from defects in materials and workmanship for this period of two years. During this two year period, the seller will repair or replace defect products free of charge. Products damaged by accident, abuse, misuse, natural disaster or by any unauthorized disassembly, repair or modification are not covered by this warranty. The incurred transportation costs of returning the products to seller will be borne by the buyer. The logistical cost for returning the products back to the buyer will be borne by the seller. Several products come with a “VOID if seal is broken” sticker, the warranty is void at all times when this sticker is broken.

### GRACE PERIOD (YEAR 3 AND 4)

During the third and fourth year the seller offers a grace period. In the grace period the products purchased at an earlier date can be replaced by completely new state of the art

products of the same scope of the original purchase. This applies only for the products known as standard probes and signal conditioners. In the first year of the grace period, (year 3) customers have an option to replace their products for 25 % of the actual ex works end-user price. The full freight and packaging charges apply.

In the second year of the grace period, (year4) customers have an option to replace their products for 50 % of the actual ex works end-user price. The full freight and packaging charges apply.

The new products are accompanied by a new warranty. Both the two years warranty and grace period become applicable again from the date of invoice.

#### **REPAIRS OUTSIDE WARRANTY POLICY**

Replaced/repared parts come with a six month warranty under the same conditions as the two year warranty.