



Wind station F2000

A2220015

Contents

Applications _____ 1
 Features _____ 1
 Working _____ 1
 Dimensions _____ 2
 Technical specifications _____ 2



Applications

Measurement of wind velocity and direction. In most Fancom F2000 controllers these values can be read out or can be used as an influence on the various controls.

The wind station is supplied including the mounting bracket for the sensors, connection box, 2 mounting brackets (outer wall) and 2 m mast.

Features

- Extra corrosion resistant
- Very low threshold (start velocity)
- Durable, long working life
- Very accurate and linear

Working

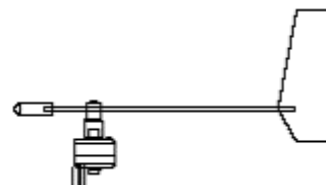


Anemometer

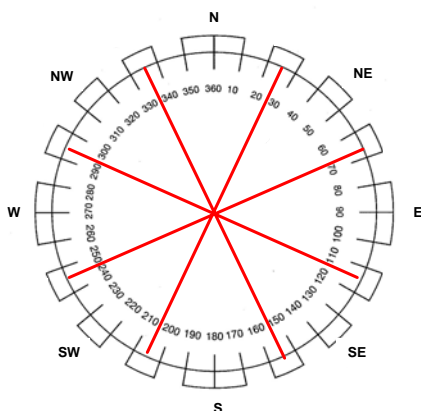
The Fancom velocity sensor is based on the Hall-effect (block signal). Fancom controllers will convert this signal into a wind velocity read out in m/s.

Wind vane

The Fancom wind vane is based on a signal from a potentiometer. The Fancom controllers will convert this signal into 8 different wind sections

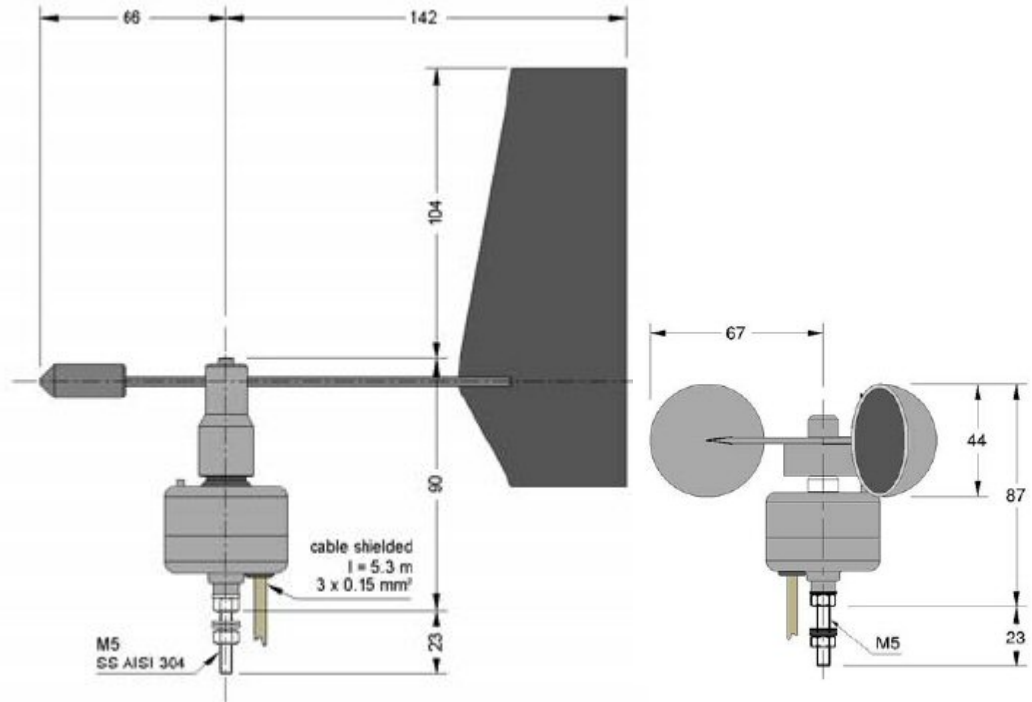


N – NE – E – SE – S – SW – W - NW:





Dimensions



Technical specifications

Lightweight vane

Potentiometer	Long life type
Life expectation	>20 x 10 ⁶ revolutions
Azimuth	0-360°
Connection	To analog input controller
Linearity	± 1%
Resistance value	5 kOhm ± 10%
Material housing	POM, black
Material vane blade	Glass fiber epoxy
Material bearings	Oil bronze
Mounting hardware	Stainless steel
Operating temperature	-30°C to +80°C

Lightweight anemometer

Air velocity range	0..50 m/s
Velocity threshold	0,55 m/s
Measuring principle	Hall-effect
Pulses per revolution	4
Connection	To digital input controller
Power supply	4,5..30 Vdc
Material housing	Polyacetal
Material shaft	Stainless steel
Material bearing	Rulon
Material magnet	Ceramic
Corrosion resistance	Excellent
Operating temperature	-40°C to +80°C
% humidity	0..100%