

Wind Vane Thies First Class POT

S21230 / S21230H



Wind Vane Thies First Class POT

Order number

S21230 / S21230H

Availability

Usually on stock

Robust wind vane for highest demands

Description

- Improved version of First Class wind vane
- Robust wind vane for highest demands
- No wear of the potentiometer due to mechanical stress

Measurement principle

The electronic emulates the behaviour of a mechanical potentiometer but avoids the wear and aging of the mechanical devices.

Wiring is compatible to the classic potentiometer wind vane to keep the high precision measuring constellation of the potentiometric wind vane when Ammonit Meteo-40 data logger is used.

The wind vane is available with an electronically regulated heating system in order to prevent ice from the bearings. To use this heating the connection cable must have additional cores and you should provide a sufficient power supply (mains connection).

Heating

The surface temperature of housing neck is $>0\text{ }^{\circ}\text{C}$ at 20 m/s up to $-10\text{ }^{\circ}\text{C}$ air temperature. At 10 m/s up to $-20\text{ }^{\circ}\text{C}$ the Thies icing standard 012002 on the housing neck is applied. The heating is regulated with a temperature sensor.

Specifications

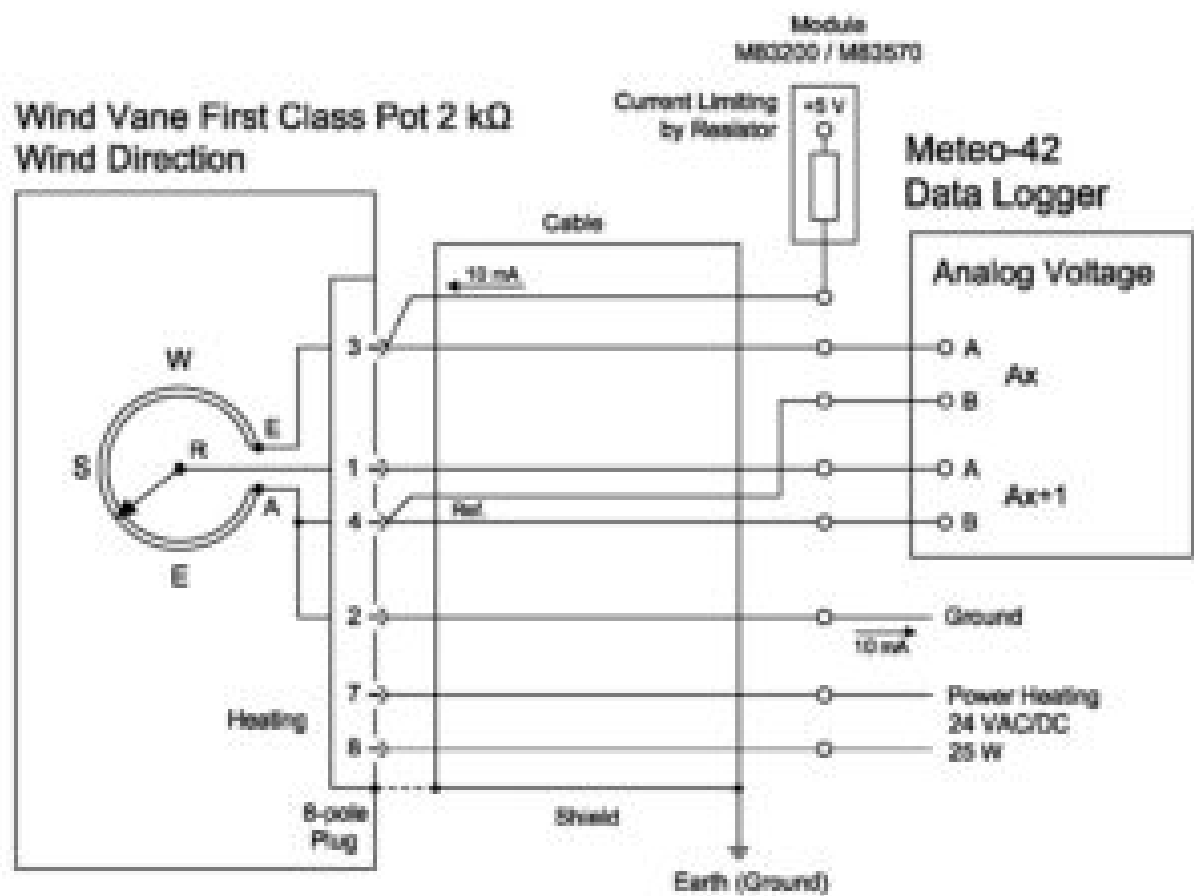
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General Information

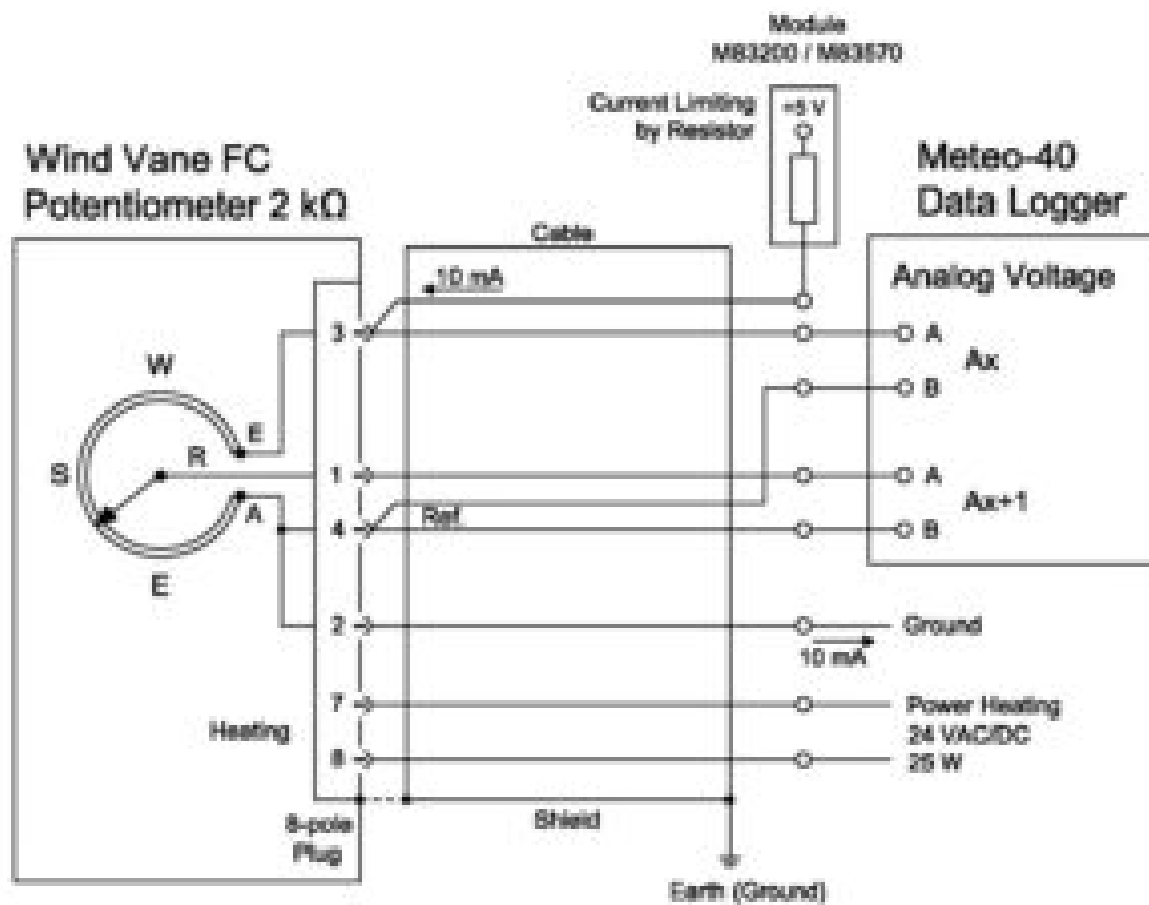
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Sensor connection diagram

Sensor connection diagram to Ammonit Meteo-42 data logger



Sensor connection diagram to Ammonit Meteo-40 data logger



Accessories

- Module for AC Converter
- Calibration Wind Vane Thies First Class