

Anemometer WindSensor (Risø) P2546D-OPR

S16300C



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Order number	Availability
S16300C	On request

MEASNET calibrated anemometer

Description

- MEASNET calibrated anemometer
- One-piece rotor anemometer head
- Low threshold speed
- Short distance constant
- Negligible overspeeding
- Angular response independent of wind speed
- Symmetrical geometry
- No external power source
- Individually calibrated compliant with IEC 61400-12-1

Specifications

Anemometer WindSensor (Risø) P2546D-OPR

General Information

Order Number S16300C

Measurement

Calibration Each anemometer individually calibrated compliant with IEC 61400-12-1.

Measurement range 0 ... 75 m/s

Slope 0.620 m

Offset 0.21 m/s

Starting threshold < 0.3 m/s

Distance constant $\lambda_0 = 1.81 \pm 0.04$ m

Switching Characteristic

Signal Type NPN open collector, frequency proportional to wind speed

Duty cycle 45 ... 55 %

Max. switching voltage 30 V

Max. recommended switching current 10 mA

Output resistance 60 Ω

Environmental

Operating temperature range -40 ... +60 °C

Construction

Exterior materials Anodized aluminum, Stainless steel and GRP

Weight 0.36 kg

Overall height 282 mm

Swept diameter of rotor 188 mm

Manufacturer

Manufacturer WindSensor

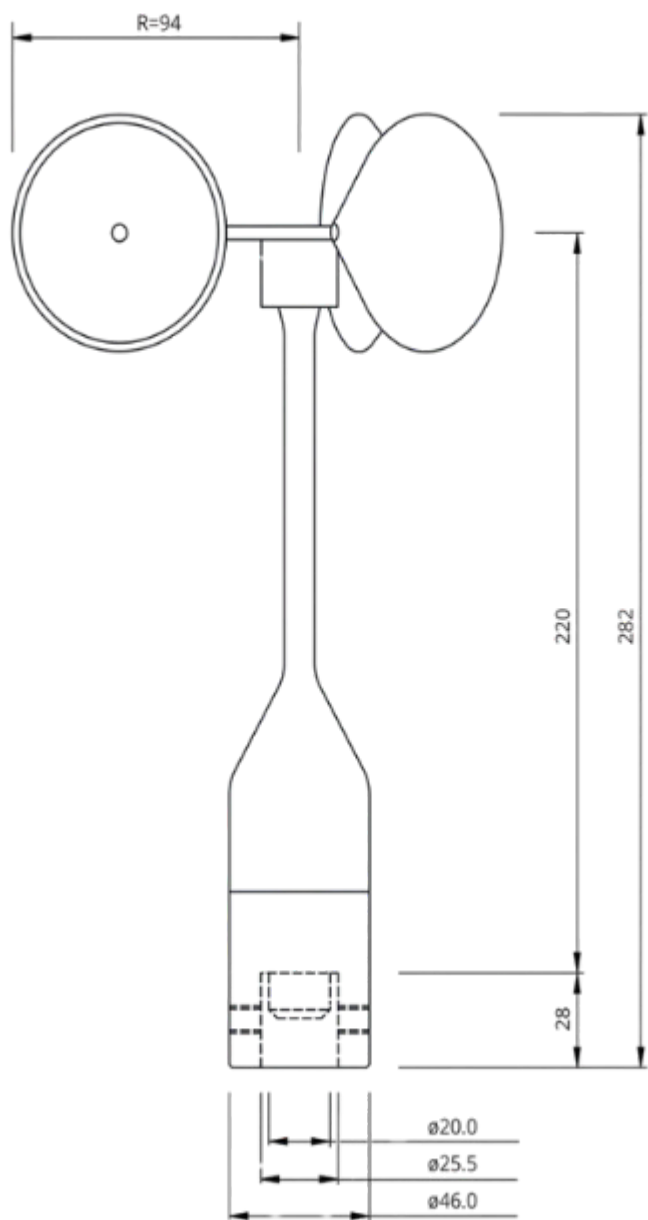
Accessories

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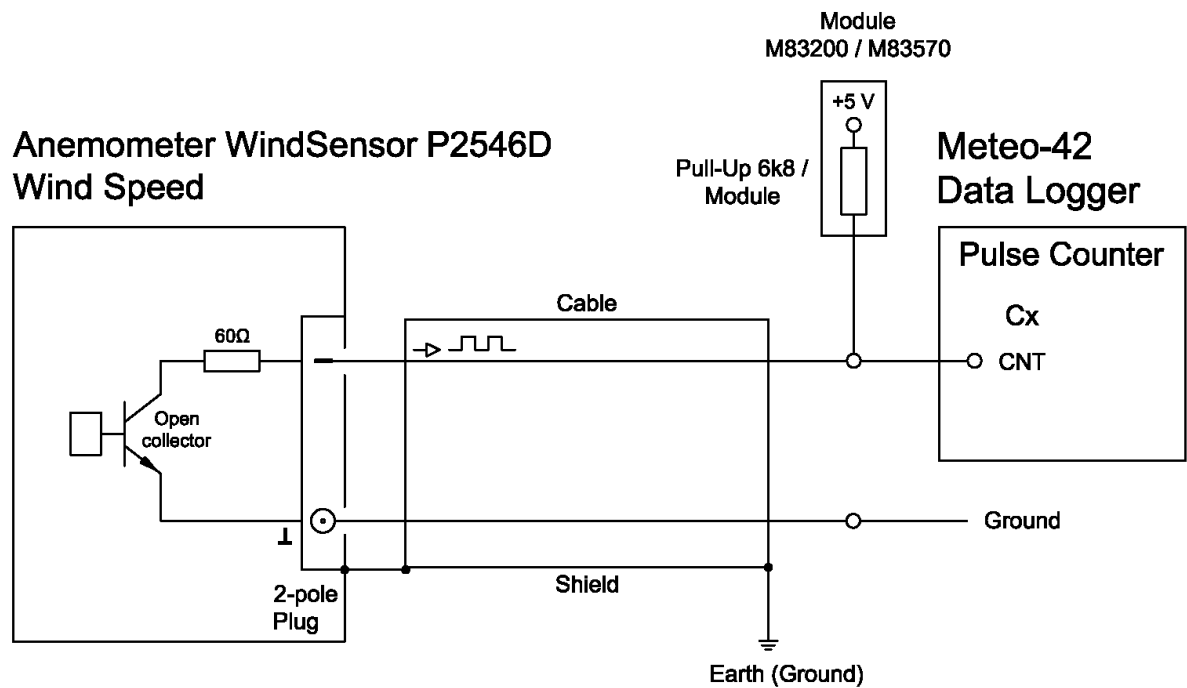
Module M83570 or M83200 (pull-up resistor 5.1 kΩ required)

Dimensional drawing

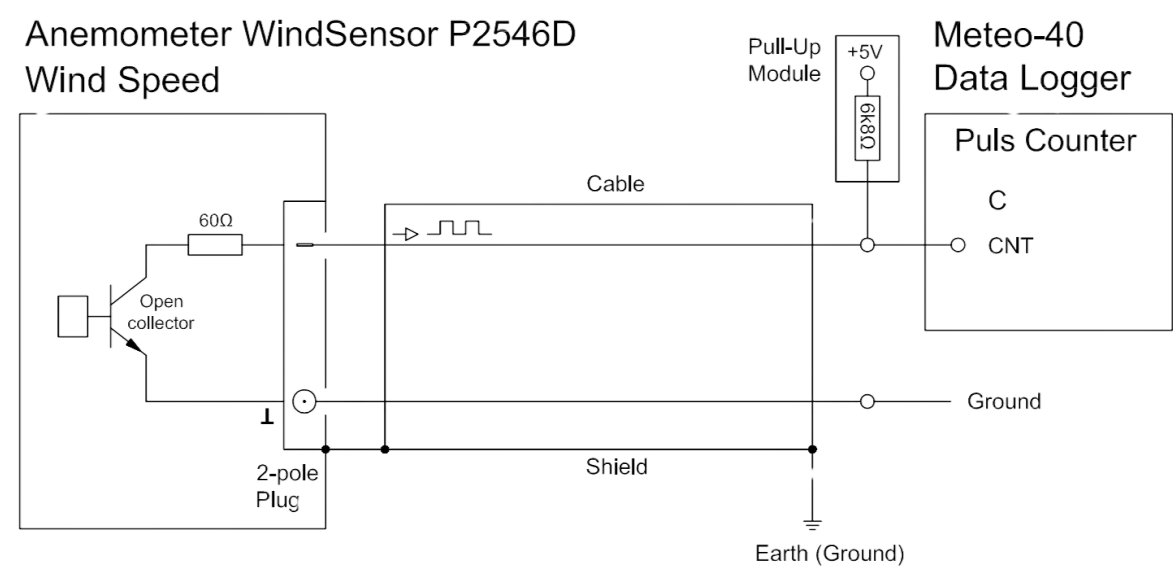


Sensor connection diagram

Sensor connection diagram to Ammonit Meteo-42 Data Logger



Sensor connection diagram to Ammonit Meteo-40 Data Logger



Sensor	Ammonit Wire Color	Meteo-40 Counter	Supply Sensor
Signal, high	white	Counter CNT, 6k8 (Switch: 5 V via 6k8 to CNT, Pull-up resistor)	
Signal, low	black		Main Ground

Cable type: LiYCY 2 (3) x 0.25 mm²

Connect the shield logger-sided to Ground (GND).