



Overview

TMC20 is a compact sensor to measure wind speed and direction.

It has an aluminium and ABS body for a lightweight and stable structure.

Intelligent heating module to operate in harsh environments.

Features

Compact, lightweight, and with no moving parts.

Plastic and aluminium body.

Phase compensation technology.

Three axis compass.

Acceleration module to stabilize data.

TMC20

Technical Data TMC20

General

Protection	IP65
Humidity range	0~100%
Temperature range	-40~70°C
Power supply	7-30V
Power consumption	50mA@12V (125 mA@12V Heater on)
Low power mode	1mA@12V

Communications

Output frequency	1s (0.25s customized)
Protocol	MODBUS/NMEA-0183 o ASCII
Analog output	2 outputs 4-20mA (optional)
Digital output	SDI-12 & RS232 & RS485

Wind direction

Measuring system	Ultrasonic
Measurement range	0~359°
Precision	±3%
Resolution	1°
Response time	1s (0.25s customized)

Wind speed

Measuring system	Ultrasonic
Measurement range	0~60 m/s
Precision	±2%
Resolution	0.01m/s
Response time	1s (0.25s customized)

Dimensions

Diameter	144mm
Heigh	165mm
Weight approx.	0.38kg
Material	ASA