



Overview

The possibility of a real climatic change affecting the world economy, makes that authorities, organisms and society needs to know accurately the main atmospheric variables.

The compact meteorological transmitter TMC70 offers the ultimate solution for measuring in one only sensor: wind, temperature, humidity, barometric pressure, solar radiation and precipitation.

Features

Ultrasonic technology in the wind sensor.

Doppler radar for precipitation.

Compact body and easy installation.

No moving parts, maintenance free.

Integrated heating system.

Optional internal GPS and compass.

Data output are in RS485 with protocols MODBUS, NMEA-0183 or SDI-12.

TMC70

Technical Data TMC70

Dimensions

Diameter	140mm
Height	245mm
Weight	Approx. 720 gr

Temperature

Measuring range	-40 to 80°C
Accuracy	±0.5°C
Resolution	0.1°C

Humidity

Measuring range	0~100%
Accuracy	±2%
Resolution	0.1

Pressure

Measuring range	150~1100 hPa
Accuracy	±1 hPa
Resolution	0.1hPa

Wind direction

Measuring system	Ultrasonic
Measuring range	0~360°
Accuracy	<3°
Resolution	1°

Wind speed

Measuring system	Ultrasonic
Measuring range	0~60 m/s
Accuracy	±2%
Resolution	0.01

Precipitation

Measuring system	Doppler radar 24Ghz
Measuring range	0-100 mm/h
Accuracy	±10%
Resolution	0.01mm

Solar radiation

Measuring range	0~1750W/m2
Accuracy	±5%
Resolution	1W/m2

General

Interface	RS485/RS232
Protocol	MODBUS, NMEA-0183, SDI12
Output Frequency	1Hz (customized)
Power supply	7-24VDC - 185mA@12V
Case	ABS + Aluminium alloy

