



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	144mm
Height	300mm
Weight	Approx. 1.3 Kg

Temperature

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

Humidity

Measuring range	0~100%
Accuracy	±2%

Pressure

Measuring range	150~1100 hPa
Accuracy	±1 hPa

Wind direction

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

Wind speed

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

Precipitation

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

Solar radiation

Measuring range	0~2000W/m2
Accuracy	±5%

General

Interface	RS485/RS232
Protocol	MODBUS, NMEA-0183, SDI12
Output Frequency	1Hz (4Hz customized)
Power supply	7-24VDC - 185mA@12V
Case	ABS + Aluminium alloy

