



Automatic weather station

IMETEOLABS PWS 500

Automatic weather station IMETEOLABS PWS 500 - is a professional weather station from Jcom-iot. The meteorological station is equipped with a data interface for remote monitoring of meteorological parameters in real time.

The IMETEOLABS PWS 500 weather station can measure wind speed and direction, air temperature, relative humidity and atmospheric pressure.rain.

Technical specifications

DC supply voltage, V	12
Current consumption at 12 V DC, not more, mA	30
Measuring range of air flow velocity, m/s	from 0.3 to 60
Limits of permissible error of air velocity measurements: - absolute in the range from 0.3 to 10 m/s incl., m/s; - relative in the range from 10 to 60 m/s incl., %	± 0,3 ± 3
Measurement range of air flow direction, degree	0 to 360
Limits of permissible absolute error of air flow direction measurements, degree	± 3
Measuring range of air temperature, °C	from -50 to +60
Limits of permissible absolute error of air temperature measurements, °C	± 0,1
Measuring range of relative air humidity, %	from 1 to 100
Limits of permissible absolute error of relative air humidity measurements, %	± 3
Measuring range of atmospheric pressure, hPa	from 300 to 1200
Limits of permissible absolute error of atmospheric pressure measurements, hPa	± 3
Average MTBF, h	10000
Service life, years	8
Availability of interfaces	RS485 or RS232 (to be determined when ordering)
Mounting	on stainless steel mast for Ø 60 - 76 mm
Degree of protection	IP66
Case Material	Plastic
Overall dimensions:	
Diameter, mm	140
Length, mm	311
Weight including mast mounting, excluding connecting cable, kg	1,2
Operating conditions:	
Ambient air temperature, ° C	from -50 to + 60
Relative humidity, %	from 0 to 100
Atmospheric pressure, hPa	300 to 1200
Storage conditions:	
Ambient air temperature, ° C	from -50 to +70
Relative humidity, %	from 0 to 100