



Automatic weather station

IMETEOLABS PWS 400

Automatic weather station IMETEOLABS PWS 400 - is a professional weather station from Jcom-iot. The weather station is equipped with an interface for data transmission, which allows remote monitoring of meteorological parameters in real time.

The IMETEOLABS PWS 400 weather station can measure air temperature, relative humidity, atmospheric pressure, precipitation in the form of rain.

Technical specifications

DC supply voltage, V	12
Current consumption at 12 V DC, not more, mA	30
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
Диапазон измерений атмосферного давления, гПа	from 300 to 1200
Limits of permissible absolute error of atmospheric pressure measurements, hPa	± 1
Measuring range of precipitation intensity, mm/min	0.1 to 2.4
Limits of permissible absolute error of precipitation intensity measurements, mm/min	0,2
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	278
Weight including mast mounting, excluding connecting cable, kg	1,3
Operating conditions:	
Ambient air temperature, °C	-50 to + 60
Relative humidity, %	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