



A70H-UWS is an automatic weather station that can measure wind speed, wind direction, atmospheric pressure, humidity, temperature, rainfall and solar radiation. Wind speed and direction are measured with ultrasonic waves. The rainfall detection uses 24G radar, which can quickly detect rainfall and intensity.



Sensor	Technical Specifications		
	Range	Resolution	Accuracy
Wind Speed	0-50m/s	0.01m/s	+/-2%
Wind Direction	0-360°	1°	+/-3°
Temperature	-40° - +80° C	0.1°C	+/* 0.2°C
Humidity	0-100% RH	0.1%RH	+/-2%
Pressure	150-1020hPa	0.1hPa	+/-2%
Rainfall	0-10mm/Min	0.01mm	+/-0.4mm
Solar Radiation	0-1750W/m2	1W/m2	+/-5%
Supply	12-24VDC		
Output (Modbus-RTU)	RS485, RS232		
Data update cycle	1s(default) other optional		
Power consumption	<3W; Heating power: 6W		
Operating temperature	-40° - +80° C		
EMC	EN61000-6-3, EN61000-3-3, EN61000-3-2, EN61000-6-1		
IP Rating	IP65		
Main Material	ABS		