



HWS1000

Pocket Handheld Weather Station

HWS1000 is a pocket-sized professional hand-held weather station that supports measurements of temperature, humidity, air pressure, wind speed, wind direction, infrared temperature, GPS positioning and other parameters. The overall design incorporates ergonomics and reshapes the appearance and structure of the traditional hand-held weather station. The highly integrated electronic circuit design enables the compact size to contain several times more the functionalities, which brings more convenience to outdoor weather observation.

HWS1000 pocket weather station can be widely used for various applications including hiking, mountaineering, camping, agriculture, sniper shooting, artillery, parachuting, track and field sports, water sports, skiing, outdoor exploration, polar scientific research, aviation and navigation, emergency rescue, special applications, and etc.



Measuring data	
Temperature measuring range	-30°C~70°C, -40~80°C(wider range version)
Temperature measuring accuracy	±0.3°C, ±0.2°C(5°C~35°C)
Temperature resolution	0.1°C
Humidity measuring range	0%RH~100%RH
Humidity measuring accuracy	±3%RH(10%RH~90%RH), ±5%RH(other range)
Humidity resolution	0.1%RH
Pressure measuring range	300hPa~1100hPa
Pressure measuring accuracy	±0.5 hPa
Pressure resolution	0.1hPa
Wind speed measuring range	0~40m/s
Wind speed measuring accuracy	±0.5m/s
Wind speed resolution	0.1 m/s
Wind direction measuring range	0~360°
Wind direction measuring accuracy	±4°
Wind direction resolution	1°
Illumination resolution	0~128000 lux
Illumination dynamic range	1 lux
UV index grade	0~20
Measurement wavelength range	280nm~400nm(UV-B & UV-A)
UV intensity	0~400W/m ²
GPS module signal reception	BDS/GPS/GLONASS/GALILEO/QZSS/SBAS
GPS positioning accuracy	<2m
GPS speed measurement accuracy	<0.1m/s
Cold start TTF	≤35s

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General Specification	
Communication Interface	USB(Type C), BT, WiFi
Charging requirement	5V , 2A max
Waterproof level	IP65
Battery type	Lithium polymer , 3.7V 3800mAh
Battery life	Continuous work for 24 hours
Working environment	-40°C~80°C, 10%RH~95%RH (Non condensing)
Dimensions	144mm×58mm×36mm
Weight	168g