

ZOGLAB

- Accurate measurements of multiple weather parameters including temperature, humidity, barometric pressure, wind, UV and light
- Built-in weather forecast and comfort index functions
- Support infrared temperature measurement
- Integrated high performance MEMS sensors
- Pocket size and ergonomic design with light weight
- Support GPS/BDS/GLONASS/GALILEO/QZSS/SBAS satellite navigation



LTD



STD



PRO



HWS1000 Handheld Weather Station

HWS1000 is a professional hand-held weather station that supports measurements of temperature, humidity, barometric pressure, wind speed, wind direction, UV, light, infrared temperature, 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 of the functionalities, which brings more convenience to outdoor weather observation.

HWS1000 handheld 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.

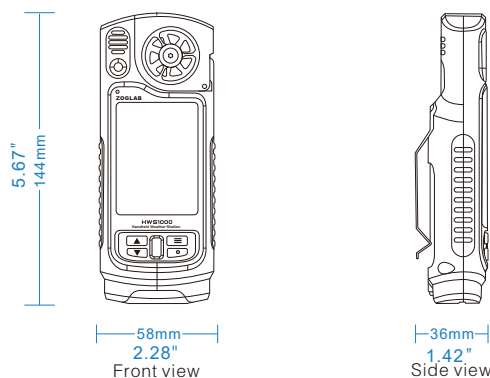
Technical specifications

Temp measurement range	-30°C~70°C <-22°F~158°F>, -40°C~80°C <-40°F~176°F>(wider range version)			
Temp measurement accuracy	±0.3°C, ±0.2°C(5°C~35°C); <±0.54°F, ±0.36°F(41°F~95°F)>			
Temp resolution	0.1°C <0.18°F>			
Infrared temperature measuring range	-70°C~380°C <-94°F~716°F>			
Infrared temperature measurement accuracy	±0.5°C <±0.9°F>(when operating temperature is between 0°C~50°C <32°F~122°F>, temperature of measured object is between 0°C~60°C <32°F~140°F>)			
Dew point accuracy	±1.15°C <±2.07°F>			
Dew point resolution	0.1°C <0.18°F>			
Humidity measurement range	0%RH~100%RH			
Humidity measurement accuracy	±3%RH(10%RH~90%RH), ±5%RH(other rangge)			
Humidity resolution	0.1%RH			
Barometric pressure range	300hPa~1100hPa			
Barometric pressure accuracy	±0.5hPa			
Barometric pressure resolution	0.1 hPa			
Wind speed range	0~40m/s	Wind direction range	0~360°	
Wind speed accuracy	±0.5m/s	Wind direction accuracy	±4°	
Wind speed resolution	0.1 m/s	Wind direction resolution	1°	
Illumination dynamic range	0~128000 lx			
Illumination resolution	1 lx			
UV index grade	1~11+			
Measurement wavelength range	280nm~400nm(UV-B & UV-A)			
UV intensity	0~400W/m ²			
GNSS module signal reception	BDS/GPS/GLONASS/GALILEO/QZSS/SBAS			
GNSS positioning accuracy	<2m			
GNSS speed measurement accuracy	<0.1m/s			
Cold start TTFF	≤35s			
Communication Interface	USB(Type C), BT, WIFI		Operating environment	
Charging requirement	5V, 2Amax			
Waterproof level	IP65		Dimensions	
Battery type	Lithium polymer , 3.7V 3800mAh			
Battery life	Continuous bright screen working for 24 hours, standby for 400 hours		Weight	168g <0.37lb>
			Certificates	CE、FCC、VCCI、C-TICK

Ordering model

Model	EDU Educational version	LTD Limited version	STD Standard version	PRO Professional version
Temperature, humidity, pressure, wind, uv, light	●	●	●	●
Flashlight	●	●	●	●
Compass		●	●	●
Infrared temperature			●	●
GNSS				●

Dimensions



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