



BEST SHOT IS ONLY ACHIEVED
WITH **BEST BALLISTIC AIR**
SENSOR TECHNOLOGIES

MILITARY WEATHER STATION



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Types of Weather Stations

1. **Ballistic:** Basic weather measurement capabilities.
2. **Ballistic + Compass:** Includes compass for directional measurements.
3. **Ballistic + Compass + GPS:** Adds GPS for precise positioning along with directional measurements and basic weather capabilities.

The Military Weather Station, created by AFSS, is designed to monitor weather changes with high accuracy using advanced sensors. It communicates data to users via **RS-422**, **Ethernet**, and **CAN-BUS** interfaces. This station measures:

It is compatible with wheeled-tracked vehicles and command control shelters that have light and medium caliber weapons.

Wind Speed	
Range	0 – 45 m/s
Accuracy	± 0.5 m/s +%5
Resolution	0.1 m/s
Response Time	< 1 s

Direction Of The Sensor To Magnetic North	
Azimuth	0 – 360°
Accuracy	± 5°
Stability	0.30°
Resolution	< 1 s

Relative Humidity	
Range	0 -100 %
Accuracy	± 3 relative humidity
Response Time	1 sec
Resolution	%0.1

GPS Positioning	
Latitude	90° N – 90° S
Longitude	180° E – 180° W
Accuracy	0.01 m horizontally and vertically with RTK

Wind Direction	
Azimuth	0 – 360°
Accuracy	± 5°
Resolution	0.1°
Response Time	< 1 s

Dimensions	
Height	500 mm
Diameter	85 mm
Base Diameter	138 mm
Weight	<5 kg

Air Temperature	
Range	– 40°C – +125°C
Accuracy	± 0.25°C
Resolution	0.00625°C

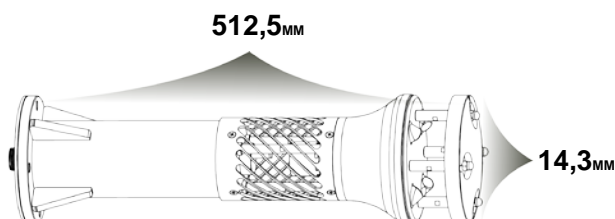
Absolute Atmospheric Pressure	
Range	10 – 1300 hPa (mbar)
Accuracy	± 1.5 hPa (mbar)
Resolution	0.012 hPa (mbar)

military standards

MIL-STD 810
MIL-STD 461F
MIL-STD 1275E

Data Transition	Can-Bus RS - 422 RS-485 Ethernet
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- Air temperature
- Relative humidity
- Wind speed
- Wind direction
- Atmospheric pressure



P1 D38999/26WD19PA	
—	A BATTERY+++
—	B BATTERY+++
—	T 422 A
—	G 422 B
—	R ISOLATED GROUND
—	V EARTH
—	SHIELD

