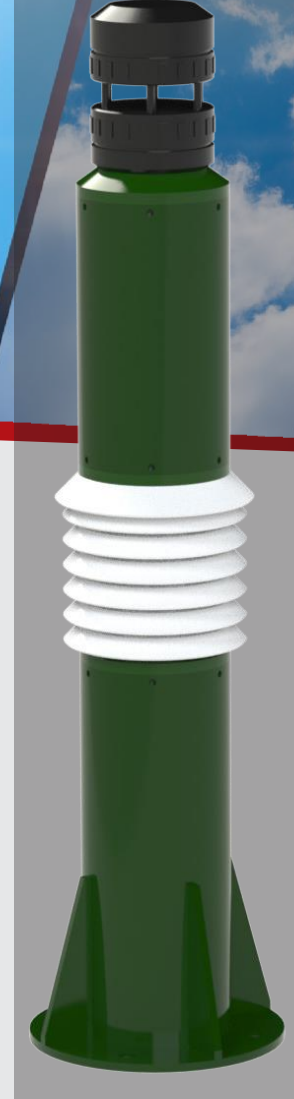


## BALLISTIC AUTOMATIC WEATHER SENSOR (BAWS)

### GENERAL DESCRIPTION

Magnetron BAWS is designed especially for Main Battle Tanks, Military Vehicles and Military Vessels. It provides ballistic information to fire control systems.

BAWS measures wind speed, wind direction, atmospheric pressure, relative humidity, GPS locations and temperature with high precision. Measurements are transmitted by RS-232/422/485, Ethernet, CANBUS or MilCAN to Main Battle Tank's Fire Control System (or other). Thanks to integrated electronic compass module wind direction is always indicated to True North.



### KEY SPECIFICATIONS

- Ready to Use
- No moving parts
- Internal GPS and Compass Module
- MilCAN

# BALLISTIC AUTOMATIC WEATHER SENSOR (BAWS)

MAGNETRON

## TECHNICAL DATA

### Electrical

GPS	L1/L2 GNSS
Interface	RS-232/422/485, Ethernet
Connectors	MiCAN, CANBUS
Operating Voltage	8-40 VDC

### Mechanical

Material	6061 Aluminum Alloy
Dimension (mm)	470x120x120
Weight (Kg)	3.2Kg

### Operating Conditions

Temperature	-40°C to +85°C
Humidity	%100R.H.

### Storage Conditions

Temperature	-40°C to +85°C
Humidity	%95R.H.
Altitude	50000ft

### Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F

### Temperature

Range	-40°C to +105°C
Resolution	0.01°C
Accuracy	±0.2°C
Response Time	0.1s

### Humidity

Range	0%R.H. to 100%R.H.
Resolution	0.1%R.H.
Accuracy	±1.8%R.H.
Response Time	0.1s

### Pressure

Range	300hPa to 1200hPa
Resolution	0.01hPa
Accuracy	±1.5hPa
Response Time	0.1s

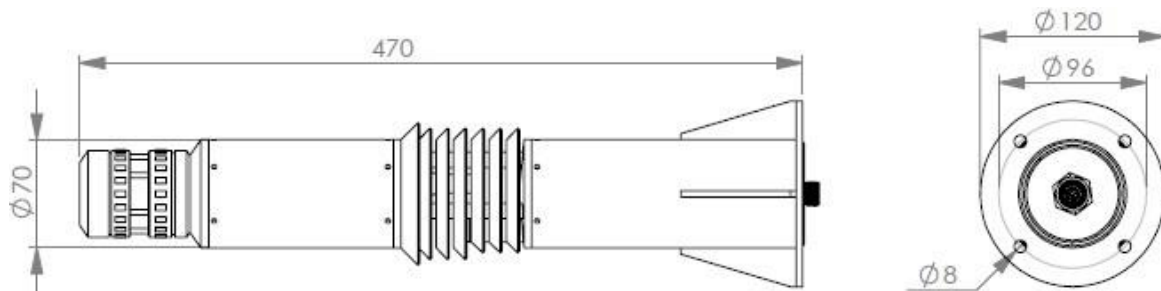
### Wind Direction

Range	0° to 360°
Resolution	0.1°
Accuracy	±4.0°

### Wind Speed

Range	0m/s to 75m/s
Resolution	0.1m/s
Accuracy	±0.3m/s

Sensor



All units in mm