

INERTIAL NAVIGATION SYSTEM WITH GLOBAL POSITIONING SYSTEM



ADVANS VEGA is an inertial navigation system which provides a continuous, instant-on position and orientation for 155mm howitzers.

MAIN TECHNICAL DATA:

- Heading accuracy 0.5 mils rms x secant lat
- Roll & pitch accuracy 0.2 mils rms
- Set-up time static < 5 min
- Set-up time dynamic < 10 min
- Size (L x W x H) 180 x 180 x 160 mm
- Weight 4.5 kg
- Power consumption < 18 W no cooling required
- Power input range 12 to 32 VDC
- Input / output formats RS232/422
- Ethernet TCP/UDP
- GPS input NMEA
- Update rate Up to 200 Hz
- MTBF up to 100,000 hours
- Operation temperature range -40°C to 60°C
- Storage temperature range -46°C to 80°C
- Angular rates > 200 °/s
- Vibration MIL STD 810
- Shocks 30 g, 10 ms
- Power input range 12 to 32 VDC
- Orientation Can be mounted in any orientation
- Roll and pitch No limitation EMC MIL STD 461



GLOBAL POSITIONING SYSTEM (GPS)



MAIN TECHNICAL DATA:

- Accuracy: < 0.5m 95% in DGPS mode (SBAS)
 < 2.5m 95% in autonomous mode
- Operation/reaction time < 3 minutes
- Power supply source 9 to 36V DC
- Power consumption 2 W
- Dimensions diameter < 140 mm
- Weight < 500 gr

