



# NORTH SEEKER SENSOR



# NF1000 TACTICAL GRADE

MEME based North Seeker Sensor

Measuring Axis.....	Z
North Finding Accuracy (1 $\sigma$ ).....	1°sec $\psi$
Heading Accuracy (1 $\sigma$ ).....	0.5°/h
Pitch/Roll Accuracy (1 $\sigma$ ).....	0.2°/h
Impact Resistance.....	1000g, 10ms, 1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	$\Phi$ 31.8*85mm
Weight.....	400g

# NF2000-A/B TACTICAL GRADE

FOG based North Seeker Sensor



Measuring Axis.....	Z
North Finding Accuracy (1 $\sigma$ ).....	1/0.5°sec $\psi$
Heading Accuracy (1 $\sigma$ ).....	0.2°/h
Pitch/Roll Accuracy (1 $\sigma$ ).....	0.1/0.09°/h
Position Accuracy.....	0.8/1.2nm/h
Impact Resistance.....	30g,8~11ms,1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	200*100*90mm
Weight.....	2Kg



# NF3000-A/B/C TACTICAL GRADE

FOG based North Seeker Sensor

Measuring Axis.....	Z
North Finding Accuracy (1 $\sigma$ ).....	0.02/0.06/0.1 $^{\circ}$ sec $\psi$
Heading Accuracy (1 $\sigma$ ).....	0.01 $^{\circ}$ /h
Pitch/Roll Accuracy (1 $\sigma$ ).....	0.02/0.06/0.1 $^{\circ}$ /h
Position Accuracy.....	0.8/1.2/1.5nm/h
Impact Resistance.....	30g,8~11ms,1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	248*248*180mm
Weight.....	8/6/5Kg

# GT50 TACTICAL GRADE

Gyroscope Theodolite Sensor



Measuring Axis.....	X, Y, Z
North Finding Accuracy ( $1\sigma$ ).....	5"
North Seeking Time (average).....	12min
Applicable range.....	75°S ~ 75°N
Instrument calibration cycle.....	12month
Communication Protocol.....	Rs232C
Output Signal.....	Digital
Pack and Size.....	415*415*800mm
Weight.....	16Kg



# NF5000 TACTICAL GRADE

FOG based North Seeker Sensor



Measuring Axis.....	Z
North Finding Accuracy (1 $\sigma$ ).....	0.05°sec $\psi$
Heading Accuracy (1 $\sigma$ ).....	0.05°/h
Pitch/Roll Accuracy (1 $\sigma$ ).....	0.05°/h
Impact Resistance.....	30g,8~11ms,1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	220*220*215mm
Weight.....	6Kg

# NF7000-A TACTICAL GRADE

FOG based North Seeker Sensor



Measuring Axis.....	X, Y, Z
North Finding Accuracy ( $1\sigma$ ).....	$0.1^\circ \text{sec}\psi$
Heading Accuracy ( $1\sigma$ ).....	$0.1^\circ/\text{h}$
Pitch/Roll Accuracy ( $1\sigma$ ).....	$0.1^\circ/\text{h}$
Impact Resistance.....	30g, 8~11ms, 1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	248*248*180mm
Weight.....	15Kg





# NF1700 TACTICAL GRADE

FOG based North Seeker Sensor

Measuring Axis.....	Z
North Finding Accuracy (1 $\sigma$ ).....	0.1°sec $\psi$
Resolution.....	0.01°/h
Pitch/Roll Accuracy (1 $\sigma$ , range $\pm$ 15°).....	0.1°/h
Impact Resistance.....	1000g, 10ms, 1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422
Output Signal.....	Digital
Pack and Size.....	125*109*130mm
Weight.....	1.2Kg

# NF3500-A/B TACTICAL GRADE

FOG based North Seeker Sensor



Measuring Axis.....	X, Y, Z
North Finding Accuracy (1 $\sigma$ ).....	0.3/0.5 $^{\circ}$ sec $\psi$
Heading Accuracy (1 $\sigma$ ).....	1 $^{\circ}$ /h
Pitch/Roll Accuracy (1 $\sigma$ ).....	0.1 $^{\circ}$ /h
Impact Resistance.....	30g, 8~11ms, 1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	Rs422/Rs232
Output Signal.....	Digital
Pack and Size.....	.80*80*74mm
Weight.....	0.9Kg



The Leader in China Inertial Sensor Market



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Unmanned Aerial Vehicles



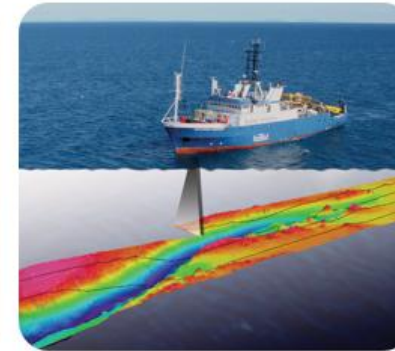
Satellites



Autonomous Vehicles



Remotely Operated Underwater Vehicles



Maritime Echosounder Application



Petroleum Extraction and Exploration