

NORBIT - Decoupled INS

Compatible with all WBMS and WINGHEAD multibeam systems.

The IMUd series is designed to be mounted as a stand-alone IMU at a suitable location on a vessel or ASV, i.e. center of gravity, for hull mount multi beam type installation. IMUd is encased in a robust POM housing and can be customised with either Applanix WaveMaster II or OceanMaster or SBG Apogee or Ekinox to provide the same high accuracy and dependable GNSS/IMU solution as the rest of the NORBIT WBMS & WINGHEAD series integrated multibeam systems.

Fully compatibility with all NORBIT multibeam systems and software



Includes

- ✓ Applanix: WaveMaster II or OceanMaster or SBG Apogee or Ekinox
- ✓ Sonar Interface Unit
- ✓ SIU Power Supply Unit
- ✓ Trimble GNSS antennas
- ✓ GNSS cables
- ✓ IMU Interface Cable

Applications

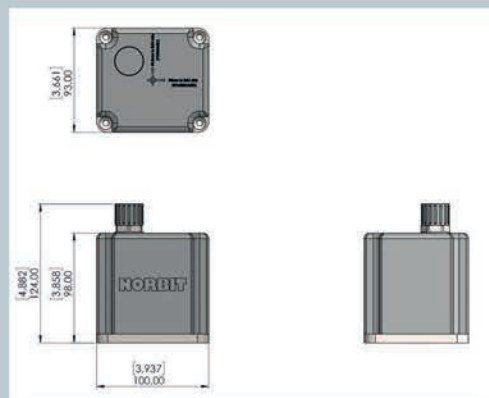
- ✓ Coastal Zone and Offshore Bathymetry
- ✓ Pipeline Surveys
- ✓ Pond and River Surveys
- ✓ Harbor and Lake Surveys
- ✓ ASV & USV
- ✓ Large Survey Vessels, Offshore hydrographic/Nautical Surveys

Options

- ✓ Senior Hydrographer for Support and Training
- ✓ Sound Velocity Profiler
- ✓ Laptop
- ✓ Turnkey Survey Solutions
- ✓ 19" Rack Mount SIU-R

COMMON SPECIFICATION:

INTERFACE	ETHERNET
WEIGHT	1.3kg DRY (MAY VARY DEP. ON IMU MODEL)
DEPTH RATING	50m
POWER CONSUMPTION	TYPICAL: 3W
CABLE LENGTH	STD 8m, OPT: 25m AND 50m
OPERATING TEMPERATURE	4°C to +40°C (TOPSIDE -20°C to +55°C)



TECHNICAL SPECIFICATION OCEANMASTER

HEADING ACCURACY	0.02° (RTK) WITH 2m ANTENNA SEPARATION
PITCH/ROLL ACCURACY	0.01° INDEPENDENT OF ANTENNA SEPARATION
HEAVE ACCURACY	2cm OR 2% (TRUEHEAVE™), 5cm OR 5% (REAL TIME)

TECHNICAL SPECIFICATION WAVEMASTER

HEADING ACCURACY	0.03° (RTK) WITH 2m ANTENNA SEPARATION
PITCH/ROLL ACCURACY	0.02° INDEPENDENT OF ANTENNA SEPARATION
HEAVE ACCURACY	2cm OR 2% (TRUEHEAVE™), 5cm OR 5% (REAL TIME)

TECHNICAL SPECIFICATION APOGEE

HEADING ACCURACY	0.02° (0.01° PPK) WITH 2M ANTENNA SEPARATION
PITCH/ROLL ACCURACY	0.008° RTK (0.005° PPK) IND. OF ANTENNA SEP.
HEAVE ACCURACY	2cm OR 2% (DELAYED HEAVE), 5cm OR 5% (REAL TIME)

TECHNICAL SPECIFICATION EKINOX

HEADING ACCURACY	0.02° WITH 4m ANTENNA SEPARATION
PITCH/ROLL ACCURACY	0.015° (RTK) / 0.01° (PPK)
HEAVE ACCURACY	2cm OR 2% (DELAYED HEAVE), 5cm OR 5% (REAL TIME)

EXPERTS in sensor equipment providing telemetry and communication solutions for harsh environments.
NORBIT develops and delivers innovative products - allowing you to explore more.