

# NAVIGER P ECHOSOUNDER



Windows Embedded OS  
Digital / Analog Double Frequency  
Penetrates up to 900m  
High Quality 12" Touchscreen  
Compact and Lightweight Mainframe  
Intuitive Bathymetric System  
Optimized for finger use on the field  
Works with most GPS and RTK brands  
Accepts 3rd-party applications  
Multiple power supply options

**DOUBLE FREQUENCY SENSOR**

**900M DEPTH RANGE**

# NAVIGER P ECHOSOUNDER

## DOUBLE FREQUENCY SENSOR

The Naviger Series Echosounders are the new paradigm in water surveying. The new all-terrain Naviger P system offers an unmatched all inclusive solution, incorporating the latest in digital signal processing technology in a Windows based operating system. It can work in the field with its full color touchscreen powered by 12V batteries as well as in the office, with the comfort of keyboard and mouse while connected to an standard AC power supply.

The included North Depth Surveyor application software make this unit fully operative without external computers, and allows seamless connection with North’s full line of RTK or SBAS GPS and GNSS receivers, but also can work along with positioning receivers of many other manufacturers. Housed in a light-weight splashproof case, the Naviger P is ideal for easy transport to changing project sites, and is well suited for easy deployment on small survey platforms in open air environments. With its double frequency generator and its practical transducers is the versatile unit that can fit any application. The North Naviger P Echosounder is an ideal choice for shallow water applications but can handle deep ocean tasks of systems far beyond its price range, thanks to its integrated Digital converter that boosts the power triplicating the analog power, making it a perfect choice for Oil Platforms, Dredging control, Dam profiling, Shore modeling, Fishing spot mapping and any other projects up to 900m deep, which require real time monitoring, portability and fast data processing.

### NAVIGER P PERFORMANCE CHARACTERISTICS:

- Frequency: 24kHz – 200kHz Adjustable
- Channels: Double
- Output Power: Up to 500W
- Operational Depth Range: 0.30m – 900m
- Depth Accuracy: +/- 1cm +0.1% x h
- Positioning Accuracy: Millimetric with RTK receivers.
- Gainoperation modes: Automatic Algorithmic / Manual / Time variant
- Positioning modes: By Time or Distance.
- Response angle: 4°
- Enclosing: ABS Plastic and Anodized Aluminum
- Input Power: 12VDC / 110-220 VAC / 20W
- Pulse Length: Up to 9.9 m
- Sound Velocity: 1300m/s -1700m/s
- Draft: 0-100m resolution 1cm
- Dimensions: 40cm x 35 x 25cm
- Weight: 6.5Kg.
- Working Temperature: -30 °C to +70 °C
- Storage Temperature: -40 °C to +80°C
- Humidity 100%, condensing
- Water/dustproof IP66 dustproof, splashproof
- Operative System Windows XP, 7
- RAM Memory: DDR2 1GB or more
- ROM Memory: 4GB or more.
- I/O: 2 RS232 Serial, 2 USB, 1 Transducer.
- Shock and vibration: Tested for heavy vibration, 0.5m drop survival.
- Positioning Protocol: NMEA

### STANDARD SET INCLUDES:

- 1 Naviger P Mainframe Set
- 1 Transducer set with cable (Bronze, Quill or Thru-Hull options)
- 1 Lemo to Rs232 Serial Cable
- 1 110-220V to 12V Power Supply and Cable
- 1 Transport Case
- 1 North Depth Surveyor Software Licence
- 1 Naviger Sounder Software Licence

**Notes:**  
 - Specifications are subject to change without previous notice.  
 - This description may include typographical errors



Optional Transducers

