

SMIDS Pro

ACCURATE SAFETY INFORMATION

SMIDS Pro is Commercial Maritime's most economical and accurate Speed Distance Measuring Equipment (SDME) system, also utilising state-of-the-art technology to provide options for distance to berth and course prediction.

SMIDS Pro calculates and displays vessel movement information, reporting the ground speed of a vessel's heading as well as sideways movement at both the bow and stern, with an accuracy of 0.01 knots. This precision aids the navigating crew in making informed decisions under all sea states and weather conditions.

SMIDS Pro is an ideal solution for a wide range of vessels, including LNG/LPG carriers, lightering ships, dredgers, offshore discharge vessels and ships that frequently manoeuvre without tugs in adverse weather and tidal conditions.

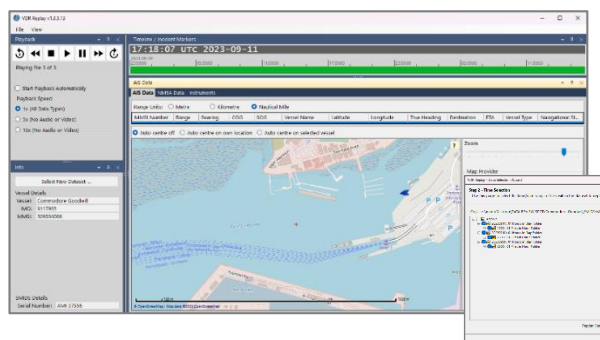
It is also suitable for semi-submersibles, heavy sealift vessels, Aframax, Suez-Max, VLCC, and ULCC tankers, refuelling vessels, bulk cargo barges, Ro-Ro cargo vessels, and more.



SMIDS Pro SYS-0093 BENEFITS

The only maritime Satellite Speed Log approved for;

- ✓ IEC 61023:2007 - **Marine Speed and Distance Measuring Equipment**
- ✓ ISO 22090-3:2014 – **Transmitting Heading Device**
- ✓ IEC 61108-1 – **GPS/GNSS Receiver Equipment**
- Accuracy of ± 0.01 kn / 0.3m (30cm)
- Logs journey time and total distance travelled.
- Predictive Ships Movement and Distance to Berth.
- Data Replay software included for system and vessel performance review, with lifetime free updates.



DATA RECORDING AND PLAY BACK

SMIDS safely records all ship's movement data and provides easy to use playback software for future performance evaluations, training, and when necessary, incident investigation.

The internal Solid-State Drive can store over 50 days of ships movement information. All data may be reviewed using the included AMI Data Replay Software which can be used for vessel performance reviews.

*Please note that this is not a Dynamic Positioning Device or System

+44 (0)2380 480450 | sales@amimarine.com | amimarine.com



Registered in England & Wales - Registration No 5530299
VAT Registration No. GB 195442583



SYS-0093 SYSTEM SPECIFICATIONS



MAIN ELECTRONIC UNIT (MEU) MEU-0021

INPUTS: 8* IEC61162-2 ports

OUTPUTS: 3* IEC61162-2 ports

- ▶ NMEA 0183 - GGA, VTG, HDT, ROT, GSA, GSV, GST, THS, PTMSX, PTMSG
- ▶ 50 Days Data Storage on System Drive

POWER: 24Vdc

DIMENSIONS: 300x400x155mm 8kg



15" MAIN DISPLAY DSP-0032

FEATURES:

Touch Screen Display
 Can be Vesa or Flush mounted.

POWER: 24Vdc supplied by the MEU

DIMENSIONS: 415x290x61mm 2kg



DUAL GNSS RECEIVER INT-0049

SINGLE GNSS RECEIVER INT-0048

FEATURES:

Data collection from Antenna to MEU

POWER: 24Vdc supplied by the MEU

DIMENSIONS: each 188x245x56mm 1.5kg



GNSS ANTENNAS *3 ANT-0004

ACCURACY: ±0.01 kn / 0.3m

*Can be made be 0.03m accurate with SMIDS Pro Pilot Upgrade Kit

POWER: Supplied by the GNSS Receiver Interface

DIMENSIONS: each 130x130x61mm 0.38kg

SYSTEM APPROVALS:

IEC61023 (2007), IEC60945 (2002) inc. 2008, IEC61162-1 (2016), IEC61162-2 (1998), IEC62288 (2014), IEC62923-1 (2018), IEC62923-2 (2018), ISO 22090-3:2014, IEC 61108-1 (2003)

MSC.334 (90) Revised carriage required for Speed Log

- ▶ For Ships of 50,000 GT and upwards, 2 separate devices, namely one for STW and **one for SOG (2-axis)** should be provided.
- ▶ Applies to ships constructed on or after July 1st, 2014.

ADDITIONAL DISPLAY OPTIONS

10.4" REMOTE INTERNAL DISPLAY

DSP-0033



FEATURES:

PCAP Touch Screen Display
 VESA mounting option

POWER: 24Vdc supplied by the MEU

DIMENSIONS: 236x301x55mm 2kg

10.4" REMOTE EXTERNAL DISPLAY

DSP-0036



FEATURES:

IP67 Rated PCAP Touch Screen Display
 VESA mounting option

POWER: 24Vdc supplied by the MEU

DIMENSIONS: 236x301x55mm 2kg

RUGGED TABLET AND WIFI INTERFACE

TAB-0006 & INT-0029



FEATURES:

PCAP Touch Screen
 Hand strap for secure carrying.

POWER: USB Charging Cable

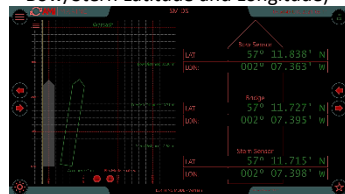
TAB-0006 DIMS: 415x290x61mm 2kg

INT-0029 DIMS: 130x130x61mm 0.38kg

SMIDS PRO SYS-0093 SCREENS



SMIDS Berth and Lat/Lon
 (Vessel Berthing Assist and individual Bow/Stern Latitude and Longitude)



SMIDS Main Page
 (Night Colours)



SMIDS Berthing Information Page
 (Fore and Aft Speed, Bow/Stern Sideways Movement Speeds, Gyro Heading and Vessel Berthing Assist)



Berth Selection Page
 (Select saved locations or add to stored library)



SMIDS Movement Page
 (Comparator, Wind & Rudder Data)

*Please note that this is not a Dynamic Positioning Device or System

+44 (0)2380 480450 | sales@amimarine.com | amimarine.com



Registered in England & Wales - Registration No 5530299
 VAT Registration No. GB 195442583

