

SMIDS Pro



ENHANCED SAFETY

At the forefront of Commercial Maritime technology, the SMIDS Pro is the most economical and accurate Dual-Axis Satellite Speed Log on offer as an SDME, surpassing other similar systems being supplied to market.

It uses state-of-the-art technology to provide precise and globally reliable positional data which is **accurate to $\pm 0.01 \text{ kn} / 0.3\text{m}$** , and holds recorded data for the benefit of user review playback when required.

Featuring a streamlined modular design, the SMIDS Pro dual-axis satellite speed log is ideal for retrofitting in dry dock or while at sea. Installation is straightforward, especially when compared to similar systems and traditional Doppler docking systems.

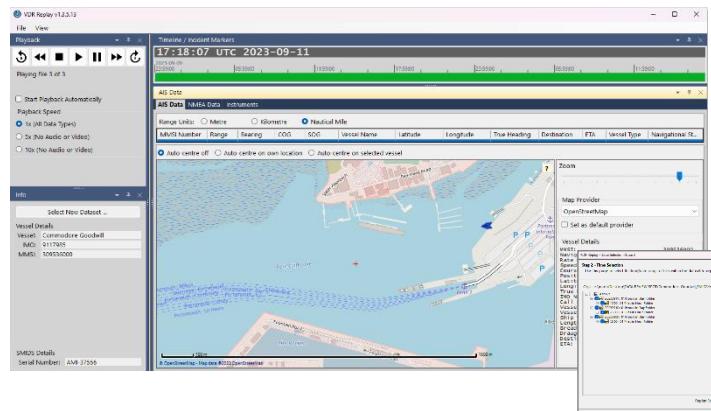
With SMIDS Pro, operators can expect a user friendly system, providing reliability and accuracy, making it an essential tool for vessel movement monitoring, allowing for safe modern maritime navigation.

COMPLIANT AND CERTIFIED

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 $\pm 0.01 \text{ kn} / 0.3\text{m}$.
- Logs journey time and total distance travelled.
- Complementary data Replay software for system and vessel performance review.



OPTIMIZE OPERATING COSTS

Optimizing vessel speed and fuel efficiency leads to reduced operating costs, which is critical in the highly competitive maritime industry.

SMIDS Pro has full data recording capabilities, with the internal storage retaining over 50 days of ship movement information which can be reviewed by ship managers to improve vessel operating costs.

SYS-0095 SMIDS Pro

DUAL AXIS SDME SATELLITE SPEED LOG

DATASHEET

SYSTEM SPECIFICATIONS

MAIN ELECTRONIC UNIT (MEU) MEU-0021



INPUTS: 8* IEC61162-2 ports

OUTPUTS: 3* IEC61162-2 ports

GGA, VTG, HDT, ROT, GSA, GSV, GST, THS
50 Days of Data Storage via Solid State Drive



15" MAIN DISPLAY DSP-0032

FEATURES:

Touch Screen Display

Can be Vesa or Flush mounted.

POWER: 24Vdc supplied by the MEU

DIMENSIONS: 415x290x61mm 2kg

POWER: 24Vdc

DIMENSIONS: 300 x 400 x 155mm 8kg

DUAL GNSS RECEIVER INT-0049



FEATURES:

Data collection from Antenna to MEU

POWER: 24Vdc supplied by the MEU

DIMENSIONS: 188 x 245 x 56mm 1.5kg



GNSS ANTENNA *2 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.

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 & 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 SYSTEM SCREENS



Vessel GNSS Compass, SMIDS Heading, Bow Fore and Aft Speed, and Bow Latitude and Longitude.



Vessel Movement with Comparator, SMIDS Heading, Bow Fore and Aft Speed, Wind and Rudder Data.



Vessel GNSS Compass, SMIDS Heading, Bow Fore and Aft Speed, Course Over Ground (COG) and Speed Over Ground (SOG).

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

