



# DATA LOGGER "SYNMET-NAV"

for use under extreme, naval conditions

## The high standard in ship meteorology.

Individual ship data are registered professionally in connection with the shipboard computer. Data are then processed for regulation and safety on board. Detection of turbulences, luff and lee comparison, "true wind" as well as "bottom track" shall be named as examples.

- ▶ ring buffer for 1 year
- ▶ free configurable sensor inputs
- ▶ 17 sensor channels
- ▶ 43 virtual channels
- ▶ able to communicate via Internet with a router \*
- ▶ LAN integration via Ethernet-Interface \*
- ▶ Integrated sensor and hardware control
- ▶ simultaneous communication with up to 10 users \*

integration into  
 navigational systems •  
 project related application



Professional Naval-Line	(95664) SYNMET-NAV	Id-No. 00.95664.600 000
Range of application:	temperatures -30...+70 °C • humidity 0...100 % r. h.	
Accuracy:	depending on parameters and sensors	
Resolution:	16 bit-ADC with up to 1024-fold oversampling	
Measuring interval:	1 Hz / 2 Hz • average value 1...60 min	
Protocols:	NMEA 0183 • WIMTA • WIMTW • WIMHU • WIMMB • WIMWD • WIMWV • HEOSD • VMVHW	
Storage:	dyn. organized ring storage for mean and extreme values for 1 year	
Inputs:	12 analogue • 5 digital • universal sensor inputs • for Pt100 • voltage • current • frequency • impulse • status • serial sensors	
Interfaces:	redundant interfaces for FWD- and AFT-shipboard computer	
Supply voltage:	85...264 V <sub>AC</sub>	
Housing/ Weight:	aluminium • 306 x 241 x 136 mm (without sockets) • 8 kg • 12 EMC-cable sockets • ESD-module • optional with integrated heating power supply for heated sensors	
Standards:	EMC EN 50081/ 82 • ESD-protection IEC 61000-4-2/-4-5 • MIL STD 3015.7 • Vibration BV 0440 • Shock BV 0430 (MIL-STD 810E)	
Accessories:	sensors • cables • power supplies • modules • modems • software • PC • indicators	

\* Ethernet connection kit required