LAMBRECHT meteo

AN **aem** BRAND

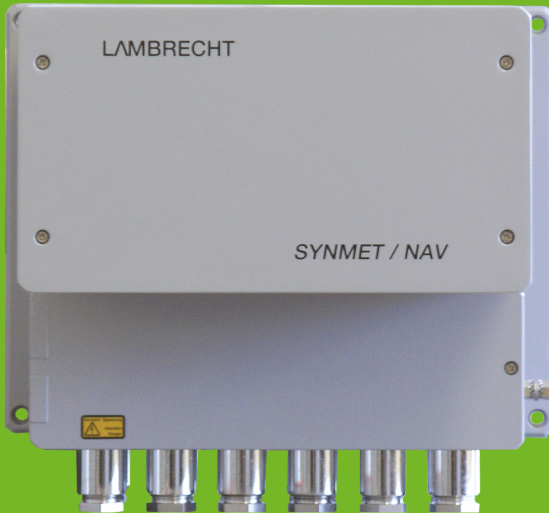# SYNMET-NAV DATA LOGGER

USB

ROBUST

SEAWATER RESISTENT

NAVAL

METAL MATERIAL

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" are some examples.

· Ring buffer for 1 year
· Freely configurable sensor inputs
· 17 sensor channels
· 43 virtual channels
· Communication capable via Internet using router*
· LAN integration via Ethernet interface*
· Integrated sensor and hardware control
· Simultaneous communication with up to 10 users*

* Ethernet connection kit required

APPLICATIONS

· Maritime
· Integration in navigation systems

Professional Line	SYNMET-NAV
Id-No.	00.95664.610000
Accuracy	depending on parameters and sensors
Resolution	16-bit-ADC with up to 1024-fold oversampling
Signal input	12 analogue • 5 digital universal sensor inputs: Pt100 • voltage • current • frequency • impulse • status • serial sensors
Protocols	NMEA 0183 • WIMTA • WIMTW • WIMHU • WIMMB • WIMWD • WIMWV • HEOSD • VMVHW
Interface	redundant interfaces for FWD- and AFT-shipboard computer
Measuring interval	1 Hz / 2 Hz • average value 1...60 min
Range of application	temperatures -30...+70 °C • humidity 0...100 % r. h.
Supply voltage	85...264 VAC
Storage capacity	dynamically organised ring storage for mean and extreme values for 1 year
Dimensions	306 x 241 x 136 mm (without sockets)
Housing	aluminium • 20 EMC-cable sockets • ESD-module optional with integrated heating power supply for heated sensors
Weight	8 kg
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 (order separately)	sensors • cables • power supply units • modules • modems • software • PC • indicators

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