

# SIGMA-1000



## SIGMA-1000

The SIGMA-1000 unit is a multifunctional display with embedded software for various types of navigation equipment for the commercial shipping industry. Sensors connected to a network are read out and translated to the display with help of a MultiHub. The SIGMA-1000 enables captains to swap functions between different displays, making the cockpit rearrangeable at all times. The SIGMA-1000 can be connected directly to the sensors.

## SIGMA:

The SIGMA line is a complete modular range of reliable equipment for inland shipping and inland fishery. Unique is the combination of digital technology and an analog readout.

## Additions:

The use of a network to transmit data from the sensors to the display unit creates the possibility to add as much display units as desired. As the SIGMA-1000 has various software pages pre-programmed, it is extremely suited for wheelhouse expansions. The sensor data can also be send directly to the SIGMA-1000 through NMEA signals.

## Display possibilities:

The following software indicator pages are programmed by standard on a SIGMA-1000:

- SIGMA-100 Rudder angle indicator,
- SIGMA-120 Echo sounder,
- SIGMA-130 Wind station,
- SIGMA-300 Rate of turn indicator,
- SIGMA-345 Compass,
- SIGMA-500 Pilot.

## Dimming:

Within the SIGMA-1000 unit lays the possibility to issue multiple dim groups, which allows the user to dim multiple displays at the touch of one button, or put them into the night view mode.

## SIGMA-1000



## MULTIHUB

## P-345 FLUXGATE SENSOR



## P-120 DEPTH SOUNDER



## P-300 GYRO



## S-100 RAI SENSOR



# Technical specifications

## Display unit housing specifications

Housing	Clear anodized aluminum
Size	236 x 154 x 35 mm
Weight	Net weight 0.9kg
Protection	IP-50
Temperature	0 to + 55°C,
Humidity	0 to 90% non-condensing

## Electrical specifications

Main power supply	18 – 36VDC fused @900mA self recovering
Backup power supply	18 – 36VDC fused @900mA self recovering
Power consumption	< 500mA

## Optical specifications

Display size	7"
Display resolution	800x480
Dimming range	5 – 100%
Brightness	550 cd/m <sup>2</sup>

## Other

Compass safety distance	0,45 meters
Over/voltage protection	Yes

## Outputs

- NMEA 0183 output
- Relay contact output
- Output for Ethernet

## Inputs

- NMEA 0183 in
- Input for Ethernet

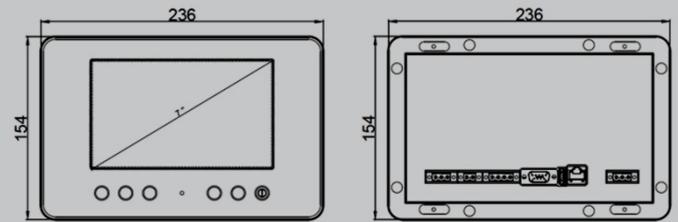
## Declaration of conformity

EN 60945 (IEC 945 Third edition: 1996-11) Chapters 9, 10, 11 and 12.

## Scope of supply

- Display unit SIGMA-1000
- The SIGMA-1000 Manual
- Connectors for power supply and NMEA

## Dimensions in mm:

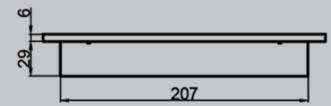


FRONT

BACK



SIDE



BOTTOM

Dealer:



Product is subject to change without notice.