

# Technical Data

## Accuracy

- Settle point error 0.1°secLat., RMS
- Static error 0.1°secLat., RMS
- Dynamic error 0.4°secLat., RMS  
(periodic roll and pitch+horizontal acceleration) secLat.=1/cosLatitude

## Supply voltage & power consumption

- 24 V DC (18 – 36 V DC)
- 80 W to 140 W (start-up) sensor unit
- 36 W distribution unit / 6 W operator unit / 7 W per analogue repeater

## General data

Permissible ambient temperature

- Operation -10° C to +55° C
- Storage -25° C to +70° C without supporting liquid
- Settling time 1h (< 3°) with «Quick settling»
- Max. rate of follow-up 100 °/s
- Permissible periodic roll and pitch angle ±45°

## Signal inputs

3 serial inputs for

- Position: GLL/GGA/RMC/GNS
- Speed: VBW, VHW, VTG, 200 pulses/NM
- Alert communication (BAM)

2 Ethernet interfaces (teaming mode)

## Signal outputs

4 serial outputs for

- Heading: THS, HDT, Course Bus
  - Rate-of-turn: ROT
  - Alert Communication (BAM)
- 1 analog output +/-10V DC for rate-of-turn for 30°/min, 100°/min or 300°/min

2 Ethernet interfaces (teaming mode)

With distribution unit additionally

- 12x RS 422 individually configurable as Course Bus or NMEA
- 1x RS 232C for course printer
- 1 analog output +/-10V DC for rate-of-turn for 30°/min, 100°/min or 300°/min

## Alerts

- System failure with potential-free relais contact
- ALR/ACK NMEA alert communication (acc. to IEC61162-1)
- INS alert communication (acc. to IEC61924-2)

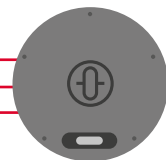
## Weight

- Master compass 17.5 kg
- Distribution unit 7.5 kg
- Operator unit 1.5 kg

## Type of enclosure acc. to IEC/EN 60529

- Gyro compass IP 22
- Operator unit IP 23/IP 56 front sided
- Distribution unit IP 22

Sensors:  
Speed from Log  
Latitude from GNSS  
Alert ACK from CAM



Standard 22 NX

Course Bus / NMEA (Heading/ROT)  
Course Bus / NMEA (Heading/ROT)  
Course Bus / NMEA (Heading/ROT)  
Sensor specific alerts to CAM  
Analog rate of turn  
Ethernet (Sensor/alert data in/out)  
Ethernet (Sensor/alert data in/out)