BEITALIA

EKINOX-N

SIMULATOR AND FAULT DETECTION SYSTEM

EKINOX-N is SW based system that generates standard and / or proprietary NMEA0183/2000 sentences through user configurable serial ports and / or Ethernet TCP, UDP connections.

- Generating complete Navigation systems data.

- Configurable serial port, communication speed, transmission and data frequency.

- Definition of Ethernet TCP/UDP definition for any system.

- Custom TalkerID.

- Custom HDLC data.

- Corrupt, missing data, and faulty unit isolation detection.

- NMEA Terminal screen data monitor

- Binary data TX and monitoring.

- TCP/UDP terminal for general use.

- Replay on the interactive map and data analysis.

It can generate sentences provided by various navigational devices that generate data according to the NMEA/ IEC61162 protocol and these sentences can be transmitted to one or more receivers. With the capability that the system will provide, testing easily its own systems and devices, and solving many problems that will be encountered in the field beforehand are possible. The system provides virtual creation and use of all devices used in navigation systems, monitoring data flow between devices, recording, replaying on the map.

EKINOX-N

SIMULATOR AND FAULT DETECTION SYSTEM

NMEA SIMULATOR / ANALYZER FEATURES

Creating sentences for any device, determining the sentences to be created

Configurable serial port, communication speed, transmission and data frequency

Definition of Ethernet TCP/UDP definition for any system

Definition of live simulation for each device

Custom TalkerID

Custom HDLC data

Data-Log

Displaying the information coming with the analyzer and the incorrect

information Coordinated operation of all virtual devices

NMEA terminal screen for general use

Binary data TX/RX and display

User-friendly interface

Save and restore device settings config

Broadcast and monocast over TCP or UDP

General purpose TCP/UDP terminal

High speed URI-10 interface unit

Transmission up to 3Mbaud

SAMPLE DEVICES WITH SIMULATION / ANALYSIS

GPS(GLL,RMC,VTG,ZDA,GGA,GSA,GSV,XTE,RMB,DTM

) Gyro (HDT,HDG,HDM,ROT,TSS1,HRP)

Magnetic compass

ECHO Sounder (DPT,DBT,DBK,DBS)

EM Log (VHW,VLW,VBW)

Anemometer (MWD,MWV,VWR,VWT,MTW)

AIS (Class A, Class B vehicles)

Radar (TLL,TTM,OSD)

Special devices

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