EKINOKS-N

BERKIN
ENGINEERING®

Your Trustworthy Partner On Course Of Success

- Navigation system simulation
- Independent serial ports, communication speed, transmission frequency setting
- Ethernet TCP/UDP definition for each system
- Proprietary TalkerID definition
- Custom HDLC data creation
- Isolation of faulty missing data/defective unit with Analyzer
- Real-time monitoring NMEA Terminal display data
- Binary data transmission, reception and display
- TCP / UDP terminal for general use
- Animation on the interactive map and analyze

- GPS
- GYRO/INS
- MAGNETIC COMPASS
- ECHO SOUNDER
- EM LOG
- ANEMOMETER
- AIS
- RADAR
- PROPRIETARY DEVICE

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The system transmits NMEA 0183 sentences which can be defined and edited by the user-configurable serial ports and/or Ethernet TCP,UDP connections. According to the NMEA/IEC61162 protocol, sentences provided by various navigational devices that generate data can be produced and sent to one or more recipients. With the capability of the system, it is possible to easily test their systems and devices and to solve many problems in the field in advance. The system enables all devices used in navigation systems to be created and used in a virtual way, to montage, record and replay the data flowing between the devices.

Features of the NMEA Simulator/Analyzer

To be able to create the data of each device, to be able to select the sentences to be produced
To be able to determine separate serial ports, communication speed, transmission frequency for each device
To be able to define Ethernet TCP/UDP for each device
Define live simulation for each device
To be able to determine specific TalkerID
Create custom HDLC data
To be able to save sent and received information to file
Displaying the information that came with the analyzer and showing the incorrect information
Coordinated operation of all virtual devices (start-stop))
NMEA Terminal display for general use
Binary data transmission, retrieval and Exposition (as decimal and hexadecimal)
User-friendly interface
Saving and restoring all device settings.
Broadcast and monocast sending over TCP or UDP.
General use TCP / UDP terminal
High speed URI-10 interface unit
Transmission up to 3 Mbaud

Simulating / analyzing devices:

GPS (GLL, RMC, VTG, ZDA, GGA, GSA, GSV, XTE, RMB,   DTM)
Gyo (HDT,HDG,HDM,ROT,TSS1,HRP)
Magnetic Compass
ECHO Sounder (DPT,DBT,DBK,DBS)
EM Log (VHW, VLW, VBW)
Anemometer (MWD, MMV, VWR, VWT, MTW)
AIS (Class A, Class B tools)
Radar (TLL,TTM,OSD)
Special Device

Model Number	EKINOKS-N
Stock Code	6605-DA-029-8638

URI - 10
High Speed USB-RS422/485 Converter

PLAYING AND ANALYSIS ON MAP