

ADPC-101

The analog-digital converter of gyrocompass's and log's signals



Main Features:

Analog-digital programmed converter ADPC-101 is used to convert gyrocompasses and logs old types signals to the digital NMEA 0183 message .

The device has two serial interfaces RS-232 and RS-422. It provide the device connection to any types of NMEA 0183 message receivers.

Also ADPC-101 has additional features, such as rate of turn (ROT) and traveled distance calculation.

Technical Description:

- Support selsyn and stepper gyrocompasses.
- Current speed value receiving from stepper logs and logs with "closing contact".
- Current speed, heading, traveled distance and rate of turn values indication on built-in LCD display.
- Received signals conversion to digital NMEA 0183 message.



Gyrocompass' Input Signals:

Supported gyrocompasses: Selsyn and stepper type
 Voltage: up to 400 V
 Frequency: up to 500 Hz
 Gyro ratio: 360x, 240x, 180x, 90x, 60x, 36x
 Maximum rate of turn: 80 deg/s

Log's Input Signals:

Supported logs: Stepper logs and logs with "closing contact"
 Voltage: up to 400 V
 Pulses per mile: 100/200/300 400/500/600

Approvals:



Type approval certificate of Russian Maritime Register Of Shipping

Output signals:

Ports: 2 serial interfaces RS-232 and RS-422/485
 Baudrate: up to 230400 bps
 NMEA refresh rate: 1, 2, 5, 10 Hz

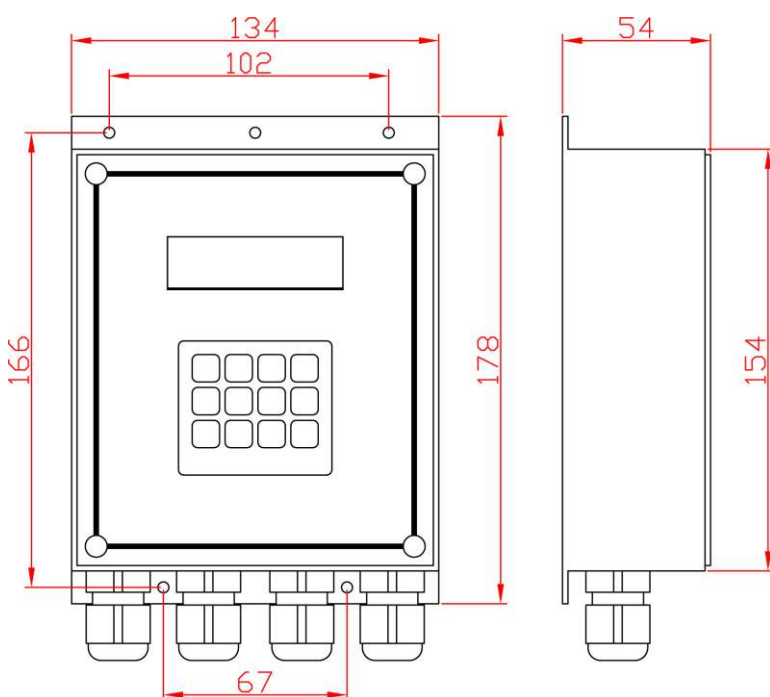
Format: NMEA 0183

Data: Values of the heading (AGHDT, HEHDT, HCHDT, SIVHW), speed (VMVTG, VMVBW, IIVTG, IIVBW) and rate of turn (TIROT, HNRROT)

General features:

Input voltage: 12..24 VDC
 Working temperature: -20..+55°C
 Storage temperature: -55..+70°C
 Overall dimensions: 134x166x54
 Weight: 1,5 kg

Overall Dimensions Outline Drawing:



Display:



Keyboard:

