UNICONT

ADPC–101

Digital analog converter

Main Characteristics:

Digitally programmed analog converter **ADPC-101** is used to convert non-digital gyrocompass and log signals into digital NMEA 0183 messages. The device has two serial interfaces RS-232 and RS-422. They provides the device connection to any types of NMEA 0183 message receivers. Besides **ADPC-101** has additional characteristics, such as rate of turn (ROT) and traveled distance calculation.

Technical Description:

- Supports selsyn and stepper gyrocompasses.
- Receives current speed value from stepper logs and logs with closing contacts.
- Indicates current speed, heading, traveled distance and rate of turn values on the built-in LCD display.
- Converses received signals into digital NMEA 0183 messages.

Type approval certificate of Russian Maritime Register Of Shipping № 04.00048.011
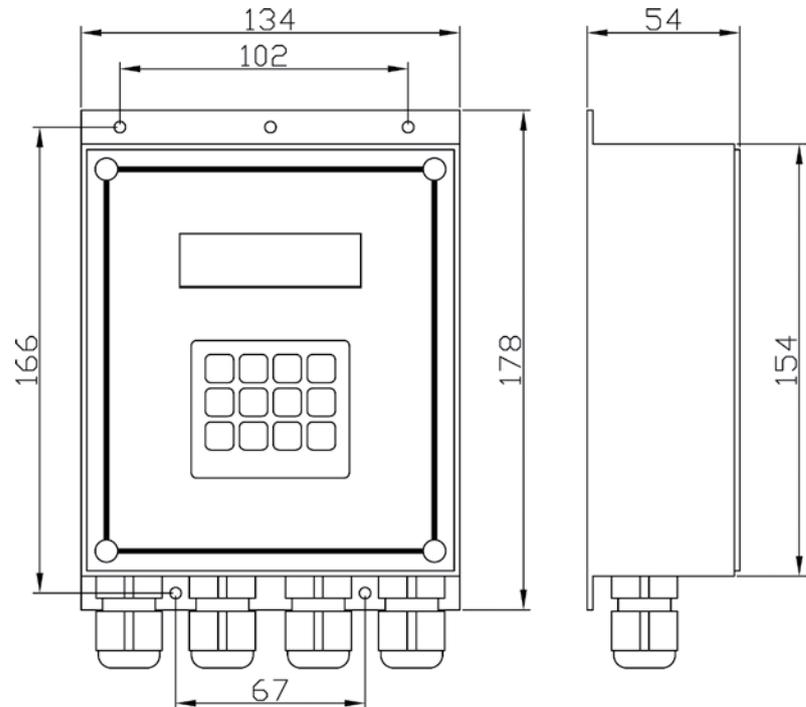
ADPC–101
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Display:

```
  LOG:  0.0 kt
? GYRO: 123.6
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Keyboard:

Overall Dimensions Outline Figure:

General features:

Input voltage.......................9..36 VDC
Working temperature..........-20..+55°C
Storage temperature..........-40..+70°C
Overall dimensions.............134x166x54
Weight..............................1,5 kg

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

Output signals:

Ports.......................2 serial interfaces RS-232 and RS-422/485

Baud rate ....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, HNROT)

Approvals:

Type approval certificate of Russian Maritime Register Of Shipping № 04.00048.011

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