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.

UNICONT

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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

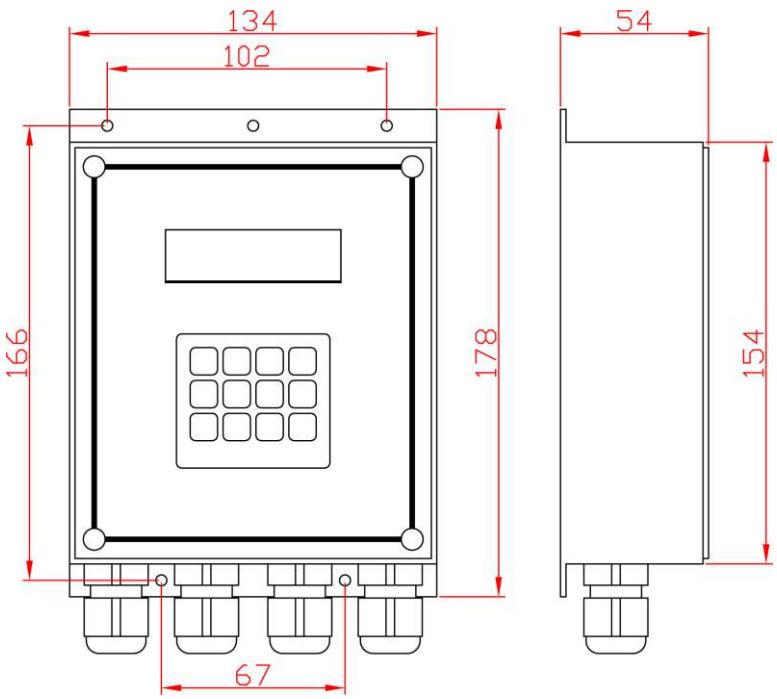
Output signals:

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, HNROT)

General features:

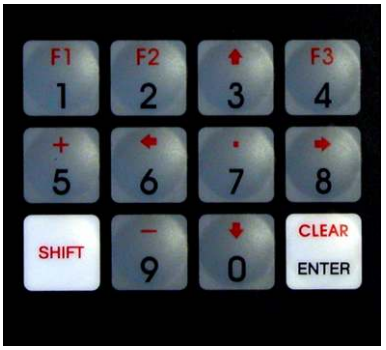
Input voltage:	12..24 VDC
Working temperature:	–20..+55°C
Storage temperature:	–55..+70°C
Overall dimensions:	134x166x54
Weight:	1,5 kg

Overall Dimensions Outline Drawing:



Display:

Keyboard:



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