

# Albatross On Board Module

## Alba-Multi



Albatross modules transform data from analogue monitoring sensors to the digital format NMEA 2000 in order to display it locally or remotely. The wide catalogue of sensors which are compatible with the Albatross modules makes possible a scalable and tailored solution for each vessel.

Alba-Multi monitors 4 independent inputs for levels, pressures and temperatures with resistive sensors by translating the measurements into the NMEA 2000 communication protocol.

| MEASUREMENTS                             |                                                                          |
|------------------------------------------|--------------------------------------------------------------------------|
| Inputs                                   | 4 x Resistive Sensor (0 a 250 Ohm)                                       |
| Accuracy                                 | Resistive Sensor: $\pm 1\%$                                              |
| NMEA2000 Parameter Group Numbers (PGN's) |                                                                          |
| Periodic                                 | PGN127505 Fluid Level                                                    |
|                                          | PGN130839 Proprietary Temperature                                        |
|                                          | PGN130841 Proprietary Pressure                                           |
| Information                              | PGN 126464 Tx/Rx PGN List                                                |
|                                          | PGN 126996 Product Information                                           |
| Control                                  | PGN 059392 ISO Acknowledge                                               |
|                                          | PGN 059904 ISO Request                                                   |
|                                          | PGN 060928 ISO Address Claim                                             |
|                                          | PGN 126208 NMEA Request Group                                            |
|                                          | PGN 126720 Proprietary fast-packet                                       |
| ELECTRICAL                               |                                                                          |
| Voltage                                  | 9-16V DC bus NMEA2000                                                    |
| Consumption                              | <140mA                                                                   |
| Equivalent Charge.                       | 3 LEN according to NMEA2000                                              |
| MECHANICAL                               |                                                                          |
| Dimension                                | 143mm x 86mm x 38mm                                                      |
| Weight                                   | 230g                                                                     |
| Assembly                                 | Surface, fixation by screws                                              |
| Box Material                             | Polycarbonate UL94V0                                                     |
| ENVIRONMENTAL                            |                                                                          |
| IP Rating                                | IP54                                                                     |
| Operating Temp.                          | -15°C to +55°C                                                           |
| Stored Temp.                             | -25°C to +85°C                                                           |
| Humidity                                 | 93% HR @ 40°C IEC60945-8.3                                               |
| Vibration                                | 2-13.2Hz @ $\pm 1\text{mm}$<br>13.2-100Hz @ $7\text{m/s}^2$ IEC60945-8.7 |
| Corrosion                                | 4x7 days @40°C, 95% RH after 2h salt spray per IEC60945-8.12             |
| E.M.C.                                   | Emission IEC60945-9                                                      |
|                                          | Immunity IEC60945-10                                                     |

CONNECTIONS  
(RESISTIVE SENSORS 1 OR 2 WIRES)

