

**ALPHATRON**  
Alphatron Marine

**The human touch in technology**

Adaptive ALPHASEAPILOT MFC



# Alphatron Marine

Versatile compact MED approved speed adaptive autopilot for all class of vessels up to 10.000 GT



## AUTOPILOT CONTROL UNIT MFC

### Features

- Dual NMEA Heading Inputs
- Magnetic Sensor Coil Heading Input
- Multi Waypoint Track Steering
- Multiple Control unit Options
- Integral Off Course Alarm
- Integral Watch Alarm
- Custom Turn & Dodge functions
- NMEA & Furuno Heading Outputs
- 11-40 Vdc Power supply
- 11-120 Vdc/5A rated solid state switch Outputs to Solenoids
- +/- 10 volt output isolated
- Including high speed version HSC MED wheelmark approval



NMEA ←

Rudder Indicator ←

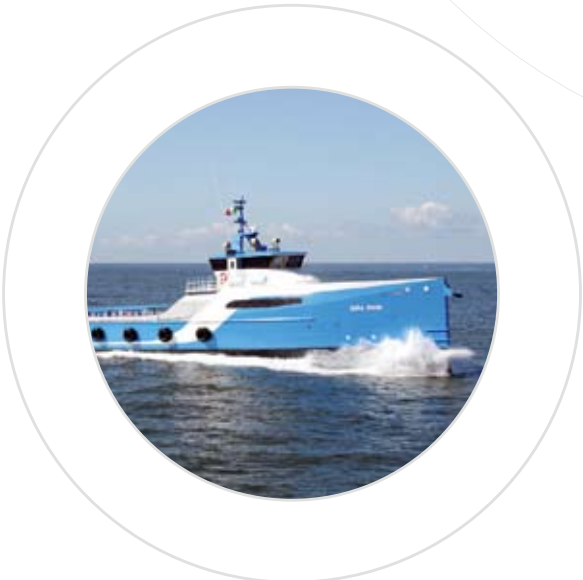
ST Gear 1 ←

ST Gear 2 ←

Thruster or waterjet ←

Dual: 11-40v DC

FU



### Accessories

- Alarm units
- Rudder indicator system
- Magnetic sonde
- Follow up & non follow up tillers with take over function
- Follow up wheel unit
- Relay box for high volt solenoids
- AC power supply



**DISTRIBUTION UNIT**



- ← **MAGN**
- ← **Gyro**
- ← **Gps Compass**
- ← **Speedlog**
- ← **Draft Indicator**
- ↔ **Track Steering I/O**

Rudder prop reference  
NFU

**HEAVY DUTY FEEDBACK DUAL POT DUAL LIMITSW**



**Technical data**

Feature	ALPHASEAPILOT MFC
• 11-40 Vdc Primary supply	√
• 11-40 Vdc Backup supply	√
• HSC2 compass coil	1
• IEC 61162/1 or 2 heading input	2
• IEC 61162/1 or 2 track input	1
• IEC 61162/1 or 2 speed input	2
• Isolated rudder reference input (Single ended or Sin/Cos)	1
• Max. number of control units	3
• Rudder angle indicator output	1
• Isolated IEC 61162/1 or /2 output	2
• Furuno AD10 Style heading output	√
• Solenoid output (11-120Vdc)	1 + 1
• Volt free switch line standby /engaged	√
• RSC input	1
• Volt free alarm contacts	3
• Remote standby input	√
• Power monitor changeover contact	√
• Spare (status) digital input/output	√
• +/- 10V isolated analogue o/p	2
• 4-20mA isolated o/p	2
• 5V step output	1
• Draft indicator input	√
• 4-20mA Isolated draft I/P	√
• Opto-isolated remote power up i/p	1
• Opto-isolated remote enable i/p	1
• V isolated I/p (FU /HSC spec use)	1



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