

ALPHATRON
Alphatron Marine

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The human touch in technology

Adaptive ALPHASEAPILOT MFA

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Alphatron Marine

Alphaseapilot MFA

Versatile compact MED approved speed adaptive autopilot
for all class of vessels up to unlimited size



Features

- Suitable for single and independent ruddersystems
- Magnetic Sensor Coil Heading Input
- Multi Waypoint Track pilot in combination with ALPHACHART T
- Adaptive / PID steering
- Large TFT info screen
- Integral Off Course Alarm
- Integral Watch Alarm
- Bow thruster and rudder control
- Custom U-Turn & Next Course functions
- NMEA & Furuno Heading Outputs
- 11-40 Vdc Power supply
- 11-120 V DC/5A rated solid state switch
- Outputs to Solenoids
- +/- 10 volt output isolated
- Connectable to rudder propellers or water jets
- Also available in black color

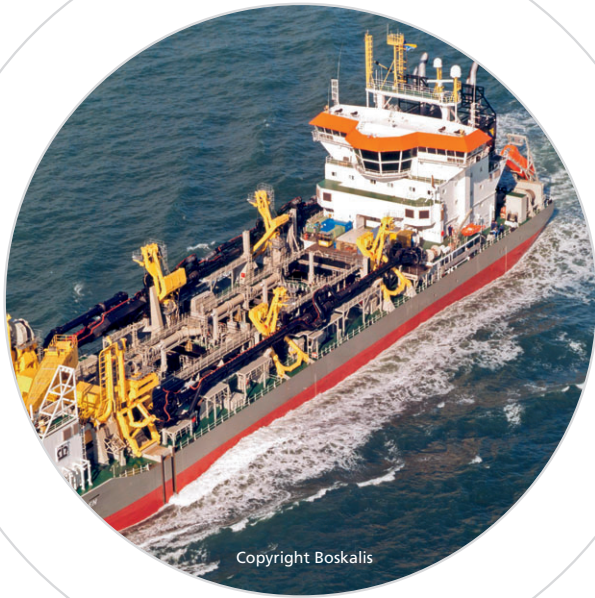
Including high speed version HSC MED wheelmark approval



Accessories

- Full Main Steering Alphasteer
- Alarm units
- Alphatron rudder indicator system
- Tiller Follow up & Non follow up with take over function
- Follow up wheel unit
- Relay box for high volt solenoids
- AC power supply

The colours and pictures in this brochure can deviate from reality.



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MFA
CONTROL
UNIT

NMEA
Rudder Indicator
Port Steering System 1
Port Steering System 2
Starboard Steering System 1
Starboard Steering System 2

MFA
DISTRIBUTION
UNIT

Dual: 11-40v DC

FU

NFU

Thruster or
Waterjet

Rudder prop
reference

To mainsteering

PICKUP
COIL

MAGN

Gyro

Gps Compass

Speedlog

Draft Indicator

Track
Steering I/O

HEAVY
DUTY
FEEDBACK
DUAL POT
LIMITSWITCHES



Technical data

Feature

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

ALPHASEAPILOT MFA

✓	✓	1	3	1	2x NMEA or 1x NMEA, 1x pulse	2	3	2	2	✓	2 (independent)	✓	2	3	✓	✓	✓	4	4	1	✓	✓	1	2	1	2	2	1	2	2
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