

TMQ AP-9

AUTOPILOT

The AP-9's practical, ergonomic design means that the settings can be quickly adjusted by rotary control or touch button.



Autopilot technology you can trust

Ergonomic and simple design

Analogue operation, rotary controls and touch pads

Designed for vessels from 10 to 50 metres and high speed craft

World class navigation at your command



TMQ AP-9



A practical and ergonomic approach to design means the AP-9 settings can be quickly adjusted by rotary control or touch pads. Precision steering is provided through rate of turn, rudder limits and counter rudder in addition to standard weather, rudder and trim controls.

The autopilot utilises digital processing with analogue controls, which results in extremely reliable and accurate autopilot steering.

The AP-9 can operate as a stand-alone system, with control unit, feedback and compass connected to any choice of drive units. Alternatively, the system can be integrated with navigational aids such as a GPS or GPS plotter to provide waypoint steering. The AP-9 can be further customized by using different heading sensors, a TMQ fluxgate compass, a compass top sensor for use with the ship's main compass or Electronic Compass. An optional Gyro Compass input with the TMQ GNC-100 for vessels fitted with gyro compass.

Main Features

- Current heading lock on
- Preset heading selection
- Rate of turn adjustment
- Counter rudder
- Off course alarm
- Timer adjustable or fixed for use as a commercial watch alarm
- Luminescent front panel for ease of use at night
- Factory designed to have up to two remote steering positions

A number of options are available.

Rudder Angle Indicator: The rudder angle indicator displays the angle of the rudder being applied by the autopilot steering system. The TMQ RAI is a 90mm easy to read display which can be seen from anywhere in the wheelhouse.

Electric Helm: For supreme power steering, built and designed to operate through the AP-9. A distinct advantage in using an electric helm is the elimination of hydraulic pipes from the helm position to the tiller position.

Steering Lever: A necessity on any work vessel where the rudder position is required to be positively selected quickly.

Remotes: TMQ can provide hand held or panel remote control to suit your individual needs. Hand remotes provide a "wander" facility for changing the preset course or selecting power steering modes. Fixed panels are used as a second station or fly bridge control.

AP-9S: A special model providing an electric tie bar facility for independent rudders.

Drive Units: TMQ can supply a range of reversing pumps or continuous flow pump sets with directional solenoid valves.



Specifications

Voltage:	12-24 volts DC
Current:	Manual - 0.4 amps, Auto - 1.0amps, Max - 15 amps
Controls:	Rotary & Push Button
Course Detection:	Better than 1 degree
Sensitivity:	0 to 10 degrees
Rudder Ratio:	0.1:1.0 to 1.0:1.0
Rudder Limits:	Front panel adjustable
Course Alarm:	Adjustable
Watch Alarm:	Adjustable 0/60 min
Nav. Signal:	NMEA 0183
Dimensions:	309mm x 140mm x 65mm (Allow for rear cable connection)

Standard Components:

Main Control panel, Rudder Feedback Unit, Compass Sensor with 5m Cable, Mounting Hardware and Brackets, Operation Manual.

BASIC AP-9 AUTOPILOT SYSTEM



AP-9 Panel



Compass



RFUH

ACCESSORIES



Electronic
Compass



Rudder
indicator



Electric
Helm



Steering
Lever

REMOTES



AP-55
Remote



Remote
Panel



Hand
Remote

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