

# TMQ AP-4

## AUTOPILOT

Experience you can rely on.



Autopilot technology you can trust

Simple control with large rotary knobs

Reliable Operation

Proven Design

World class navigation at your command



# TMQ AP-4

The TMQ AP-4 Autopilot is our most popular autopilot & sets the standard within the Australian commercial fishing industry for the levels of performance and rugged reliability that are demanded by the professionals.

The front panel features large control knobs for ease of use in all sea conditions.

The TMQ AP-4 system includes the control unit, compass sensor and standard rudder feedback or large rudder feedback which can be matched to a drive unit to suit your vessel. The Autopilot can be connected to a GPS for waypoint steering as well as providing a serial NMEA data out to facilitate heading information to Radar.

### Main Features

- Ease of operation through simple rotary controls
- Large LED display
- Front panel controls for rudder ratio and sensitivity
- Timer adjustable or fixed for use as a commercial watch alarm
- Waypoint steering when connected to a GPS plotting system.

### Different Display Modes:

From the mode rotary switch different modes can be selected.

**Set Mode:** The autopilot displays the current magnetic heading and will not apply any steering control.

**Auto Mode:** The autopilot will maintain your vessel on any selected magnetic course. This course can be set from the control panel by dialing up a course change with the course knob. When receiving information from a GPS unit, the autopilot can steer a vessel to a precise latitude and longitude.

**Power Mode:** The rudder angle may be controlled by the course knob on the main panel or from a remote steering station.

**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 Steering Wheel:** For supreme power steering, built and designed to operate through the AP-4. A distinct advantage in using an electric steering wheel 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.

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

### Standard Components:

Control unit, compass sensor with 5m cable, rudder feedback unit with 14m of cable, and mounting hardware.



### Specifications

Voltage	12-24 volts DC
Current:	Manual - 0.4 amps, Auto - 1.0amps, Max - 15 amps
Controls:	Rotary
Display:	Red LED
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:	W 173mm x H 73mm x D 210mm (Allow for rear cable connection)

### BASIC AP-4 AUTOPILOT SYSTEM



### REMOTES



### DRIVE UNITS



### ACCESSORIES



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