

# CM80i AUTOPILOT.



## CM80i INTELLIGENCE

– WITHOUT RUDDER FEEDBACK

The CM80i breaks new ground in intelligent autopilots. The new features of this system make it both easier to install and very easy to use. The intelligence built into the system means that there is no need for a rudder transducer, and the system adjusts itself to suit the boat speed and sea state. The CM80i's compact design fits easily into almost any small boat dash.



## CM80i INTELLIGENCE

The CM80i has been developed primarily for boats fitted with out-board motors and hydraulic steering that are from 5 to 10 metres in length. It is also suitable for boats fitted with stern drives and inboard motors.

The CM80i's intelligent, self-tuning software has eliminated the need for a rudder feedback unit and the simplicity of the whole autopilot system means that it is a more affordable option for all recreational fishermen and trailerboat owners.

The CM80i has these components:

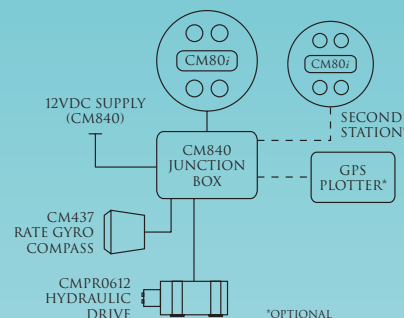
- Control head which suits dash mount
- Rate gyro compass
- Junction box
- Hydraulic drive

Installation can be completed easily and, once installed, requires a simple once only set up procedure which takes less than a minute.

The CM80i interfaces with GPS and has a heading output for use with radar.

For larger vessels, please refer to [www.coursemaster.com](http://www.coursemaster.com) for our full range of autopilots.

## EXPANDED INSTALLATION



## SPECIFICATIONS

### CM80i AUTOPILOT SYSTEM

ENVIRONMENTAL: 0-50°C

STEERING SYSTEM TYPES: Hydraulic

POWER CONSUMPTION: Standby 300mAmps@12VDC

Pilot 2.5amps@20% duty cycle using standard hydraulic pump

### CM80i CONTROLLER

DISPLAY: Backlit LCD dot matrix

ALARMS: Off course, watch keeping, system

DIMENSIONS: 95mm x 55mm

MOUNTING: Panel mount, bracket mount

CABLE: 4m

### CM840 JUNCTION BOX

INPUT VOLTAGE: 12VDC

MOTOR DRIVE: 15Amp cont

HEADING SENSOR: Rate gyro compass

INTERFACE: NMEA 0183, 2 x input, 1 x output

DIMENSIONS: 205mm x 140mm x 45mm

### CM437 RATE GYRO COMPASS

ACCURACY: 2degrees RMS

ROLL/PITCH: +/- 35 degrees

DIMENSIONS: 95mm x 55mm

CABLE: 8m

### HYDRAULIC DRIVE

CM840J

VOLTAGE: 12VDC

TYPE: Reversing

CAPACITY: 0.6L/min

*These specifications are correct at the time of publication. Coursemaster reserves the right to modify specifications in the interest of improving product quality. For more detailed specifications see our website [www.coursemaster.com](http://www.coursemaster.com)*



## COURSEMASTER AUTOPILOTS

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