

CM800i & CM850i

THE INTELLIGENT AUTOPILOT SOLUTION FOR SAIL AND POWER



CM800i & CM850i

Whether racing solo around the world or cruising to a favourite anchorage, the Coursemaster CM800i or CM850i autopilot offers all the features you need for accurate course-holding and performance reliability in any sea conditions. Both pilots are suitable for either power or sailing vessels from 6m–40m and are backed by Coursemaster's 30-year reputation for superior reliability and performance.

▶ Intelligent, self-tuning software

automatically adjusts for speed, sea conditions and trim

▶ Interfaces

GPS, wind instruments, digital compass information

▶ Autotack, autogybe with adjustable angle

▶ Rate gyro compass

accurate course holding
reduced fuel consumption

▶ Auto/manual compass calibrations

▶ Graphics display

rudder angle, backlit LCD
on screen display of GPS information

▶ Drive options

linear, hydraulic, rotary, solenoid

▶ Remote options

second station, remote steering, jog lever,
electric steering



CM800i & CM850i – THE INTELLIGENT EXTRA CREW MEMBER

The CM800i and CM850i features intelligent self-tuning software that continuously monitors the autopilot's performance and the self-tuning adjusts according to boat speed, sea conditions and trim. Just press **PILOT** and the autopilot takes care of the settings. The Coursemaster rate gyro compass maximises course-holding accuracy and minimises the effects of acceleration, roll, and pitch. The combination of these two features means that the autopilot is able to steer a more accurate course with less rudder movement resulting in lower power consumption and less wear and tear on the vessel's steering system. Simple to operate, the CM800i and CM850i offers skippers the convenience and reliability of an extra hand on the helm.

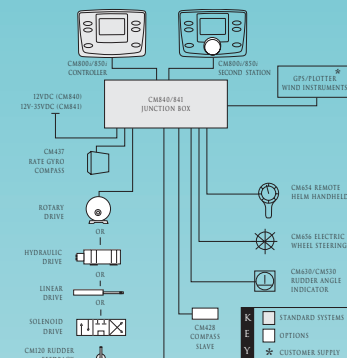
For the full range of tough, reliable commercial and leisure pilots manufactured in Australia by Coursemaster Autopilots, please refer to our website www.coursemaster.com

COURSEMASTER AUTOPILOTS

Australia's world leader in autopilot technology

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EXPANDED INSTALLATION



SPECIFICATIONS

CM800i/850i AUTOPILOT SYSTEM SPECIFICATIONS

ENVIRONMENTAL: -10 deg – +50 degC
 HEADING SENSOR: Rate gyro compass or NMEA digital
 INTERFACE: NMEA 0183, 2 x inputs, 1 x output
 STEERING SYSTEM TYPES: Hydraulic, mechanical, solenoid
 ALARMS: Off course, watch keeping, system monitors
 POWER CONSUMPTION: Standby: 300mAmps @ 12VDC Pilot: 2.5amps @ 20% duty cycle
 Using standard hydraulic pump or mechanical motor

CM800i/850i CONTROLLER

DISPLAY: Backlit LCD dot matrix
 DIMENSIONS: 163mm x 116mm x 30mm
 MOUNTING: panel mount, optional bracket mount
 CABLE: 6m

CM840 JUNCTION BOX

INPUT VOLTAGE: 12VDC
 MOTOR DRIVE: 15 Amp cont / 30 Amp peak
 DIMENSIONS: 205mm x 140mm x 45mm

CM841 JUNCTION BOX

INPUT VOLTAGE: 12 - 35VDC
 MOTOR DRIVE: 25 Amp cont / 40 Amp peak
 DIMENSIONS: 205mm x 140mm x 45mm

CM120 RUDDER FEEDBACK

DIMENSIONS: 95mm x 55mm (Arm 145mm)
 CABLE: 10m

CM437 RATE GYRO COMPASS

ACCURACY: 2degrees RMS
 ROLL/PITCH: +/- 35 degrees
 DIMENSIONS: 95mm x 55mm
 CABLE: 8m

REMOTE CONTROL

Hand-held, Jog Lever or Electric Wheel Steering

DRIVE UNITS

HYDRAULIC DRIVES: Reversing 0.6L, 1L, 2L
 Continuous Running 2L, 4L
 LINEAR DRIVES: Hydraulic, 200-300mm stroke
 ROTARY DRIVE: Reversing, printed circuit reversing, sprocket drive, electromagnetic clutch, torque 120kg/cm @ 30 rpm
 SOLENOID DRIVE: Connection to hydraulic solenoids

To view full details and specifications for all drive units and other options available for this pilot, please visit our website: www.coursemaster.com The specifications above are correct at the time of publication. Coursemaster reserves the right to modify specifications in the interest of improving product quality.



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