

CM85i

THE INTELLIGENT AUTOPILOT SOLUTION FOR SAIL AND POWER



CM85i AUTOPILOT

Cruising to your next destination has never been more relaxing! With simple one-touch control, *intelligent* self-tuning software and rate gyro compass, the Coursemaster CM85i is the perfect autopilot solution for both power and sailing vessels from 6m to 40m.

▶ Large graphics display

rudder angle, backlit LCD wide viewing angle
on screen display of GPS information
compact 110 x 110 mm waterproof case

▶ 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 courseholding
reduced fuel consumption
performance stability

▶ Auto/manual compass calibrations

▶ Drive options

linear, hydraulic, rotary, solenoid

▶ Remote options

second station, remote steering,
jog lever, electric steering



**CM85i –
THE RELIABLE CREW**

Manufactured to perform in one of the harshest marine environments in the world, the Australian-made Coursemaster CM85i autopilot's self-tuning automatically adjusts according to boat speed, sea conditions and trim. The rate gyro compass maximises autopilot performance 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 CM85i offers skippers the convenience and reliability of an extra hand on the helm.

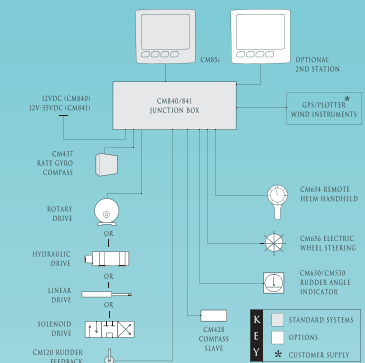
For further details on Coursemaster's full range of tough, reliable leisure and commercial autopilots manufactured in Australia and suitable for vessels ranging from 5m – 150m, please refer to our website www.coursemaster.com

**COURSEMASTER
AUTOPILOTS**

Australia's world leader in autopilot technology

AUSTRALIA ☎ Ph +61 2 9417 7097 ☎ Fax +61 2 9417 7557 ☎ Email sales@coursemaster.com
 ☎ 2/66 Gibbes St Chatswood NSW 2067 ABN 25 001 306 369 ☎ www.coursemaster.com
 USA ☎ Ph +1 718 383 4968 ☎ Fax +1 718 383 1864
 ☎ 232 Richardson St Greenpoint New York 11222

**EXPANDED
INSTALLATION**



SPECIFICATIONS

**CM85i AUTOPILOT
SYSTEM SPECIFICATIONS**

ENVIRONMENTAL: -10°C – +50°C
 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: 300m amps @ 12VDC Pilot: 2.5 amps @ 20% duty cycle
 Using standard hydraulic pump or mechanical motor

CM85i CONTROLLER

DISPLAY: Backlit LCD
 DIMENSIONS: 110mm x 110mm x 50mm
 MOUNTING: panel 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: 270mm x 140mm x 45mm

CM120 RUDDER FEEDBACK

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

CM437 RATE GYRO COMPASS

ACCURACY: 2 degrees 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 motor with 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.



distributed by:

