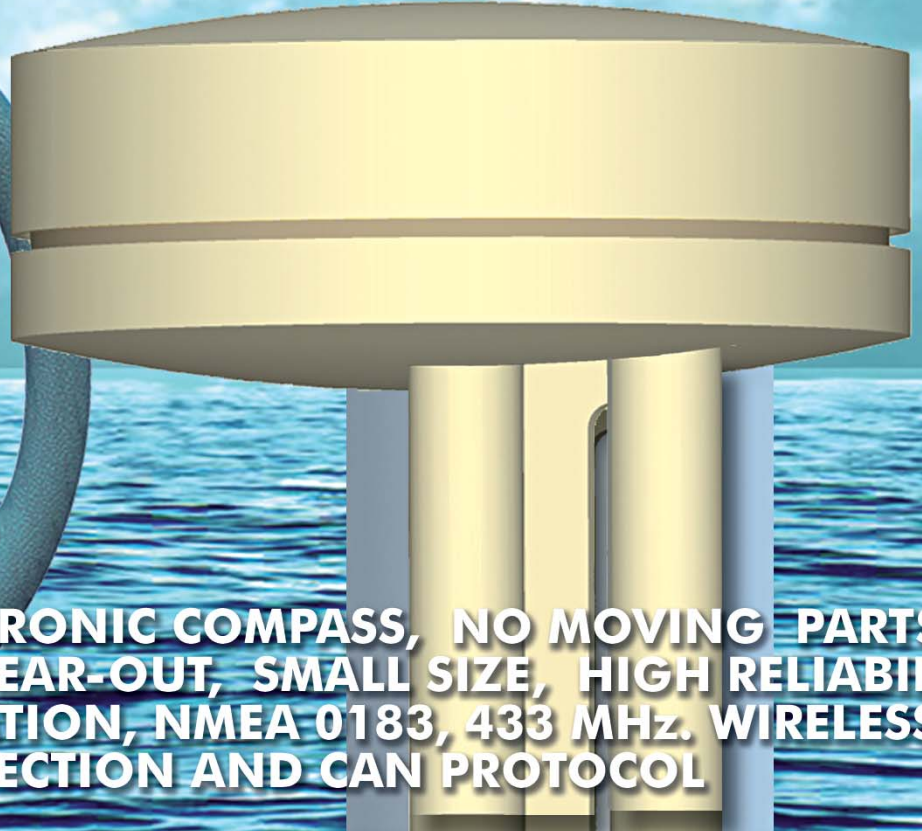
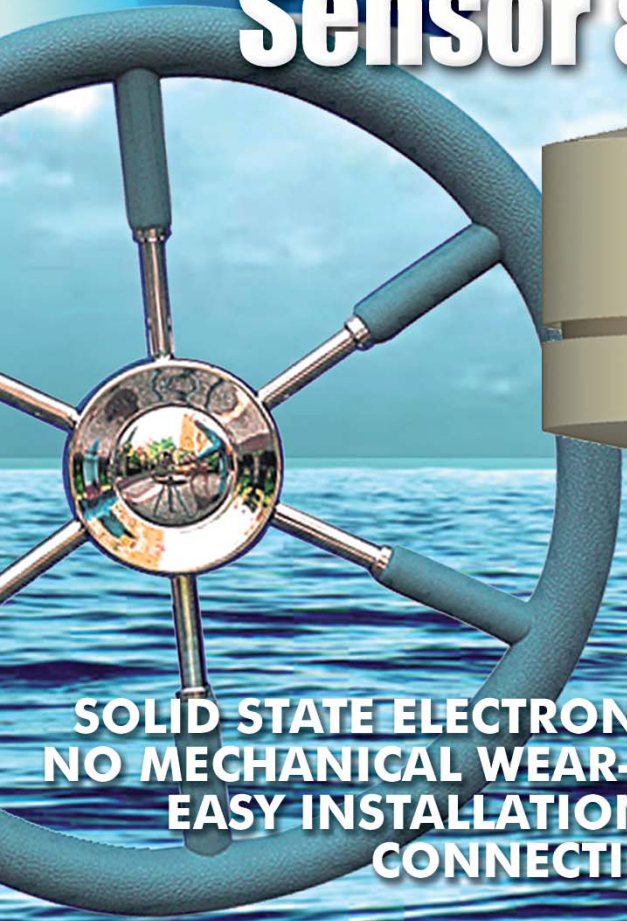


Digital 3D Gyroscopic Stabilized Magnetic Compass Sensor & GPS Receiver



SOLID STATE ELECTRONIC COMPASS, NO MOVING PARTS, NO MECHANICAL WEAR-OUT, SMALL SIZE, HIGH RELIABILITY, EASY INSTALLATION, NMEA 0183, 433 MHz. WIRELESS CONNECTION AND CAN PROTOCOL

Elproma redesigned their successful and revolutionary solid state electronic compasses.

The new design is based on the latest magnetic sensors designed by a Dutch technical university which guaranties a still better accuracy and reliability whilst also the influence for tilt and roll are improved.

For better stability a 3D gyroscopic stabilization can be added as an option and also an optional 433 MHz wireless connection between compass sensor and indicator can be provided.

With an USB receiver dongle the wireless version can communicate with a laptop or indicator(s).

The compass is build in an attractive strong polycarbonate housing, sun and seawater resistant.

The digital electronic compass system consists of two main groups:

- A** - The compass sensors.
- B** - The indicators (displays).

There are four basic compasses:

- 1 - ECS-10** : only the magnetic compass .
- 2 - ECS-20** : magnetic compass with 3D gyroscope stabilization .
- 3 - ECS-30** : magnetic compass and GPS function.
- 4- ECS-40** : magnetic compass 3D gyroscope stabilization and GPS function.

All models are also available with a wireless data connection, thus making installation easier.

The compass and indicators now only have to be connected to the nearest power supply 12/24VDC. The course and position will be passed by a 433MHz wireless connection.

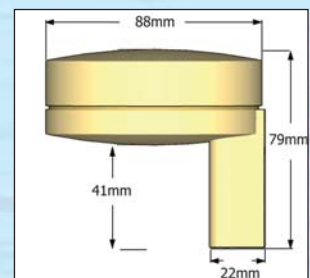
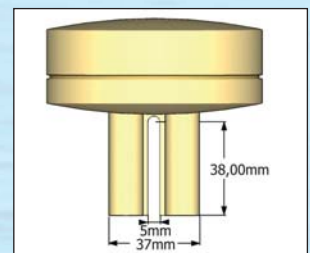
With this wireless option the model numbers are : ECS-10W, ECS-20W, ECS-30W, ECS-40W.

All models are provided with a 10 meters power/ data cable.

The wireless models also come with an USB receiver dongle for connection to a laptop and a special cable to connect the dongle to an indicator.

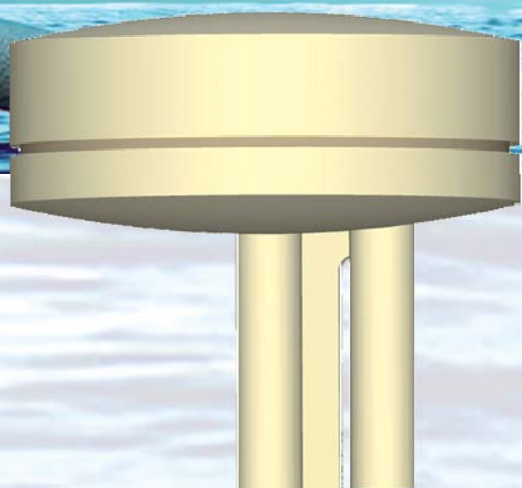
This dongle is also available separately as model ECD.

Note: ECS-10 and -20 are suitable for indicator ECI
ECS-30 and -40 are suitable for indicator ECI2





Compass Specifications



ECS Series Compass Sensor

Optional: GPS-433MHz

- 3D Gyro stabilized
- Tilt compensated up to 35°
- Static accuracy 1°
- Dynamic accuracy 2°
- Resolution 0.1°
- GPS: waas/egnos (± 3 to 5 m)
- Automatic calibration
- Electronic alignment

Interface options:

- NMEA 0183
- optional CAN
- 433MHz

Update rate : max. 10/sec.

Cable length : 10 meter

Power supply : 50mA @ 12V,
: 30mA @ 24V

Operating temp. -20 to +70°

www.elproma.com/compass

Your dealer:



ECI1 Compass Indicator

Resolution: 0.5°
Adjustable backlight

Menu settings:

- Off Course Alarm
- Damping
- Variation
- Alignment
- Calibration
- Layout

Interface options:

- NEMA 0183
- Wireless 433MHz
- Optional: CAN bus

Power supply: 40mA @ 12V,
20mA @ 24V

Backlight current max. 90mA

Operating temp. -20 to +70°

Dimensions: 110 X 110



ECI2 Compass Indicator

Resolution: 1°
Adjustable backlight

Large display:

- Magnetic course
- True course
- GPS course*
- Drift*

Bottom display:

- Trip*
- Log*
- Speed*
- Longitude/Latitude*
- Time/date*

Power supply:

40mA @ 12V, 20mA @ 24V
Backlight current max. 90mA
Operating temp. -20 to +70°

Menu settings:

- Off Course Alarm
- Damping
- Variation
- Alignment
- Calibration
- Layout

Interface options:

- NMEA 0183
- Wireless 433MHz
- Optional: CAN bus

* Only with GPS

Specifications subject to change without notice