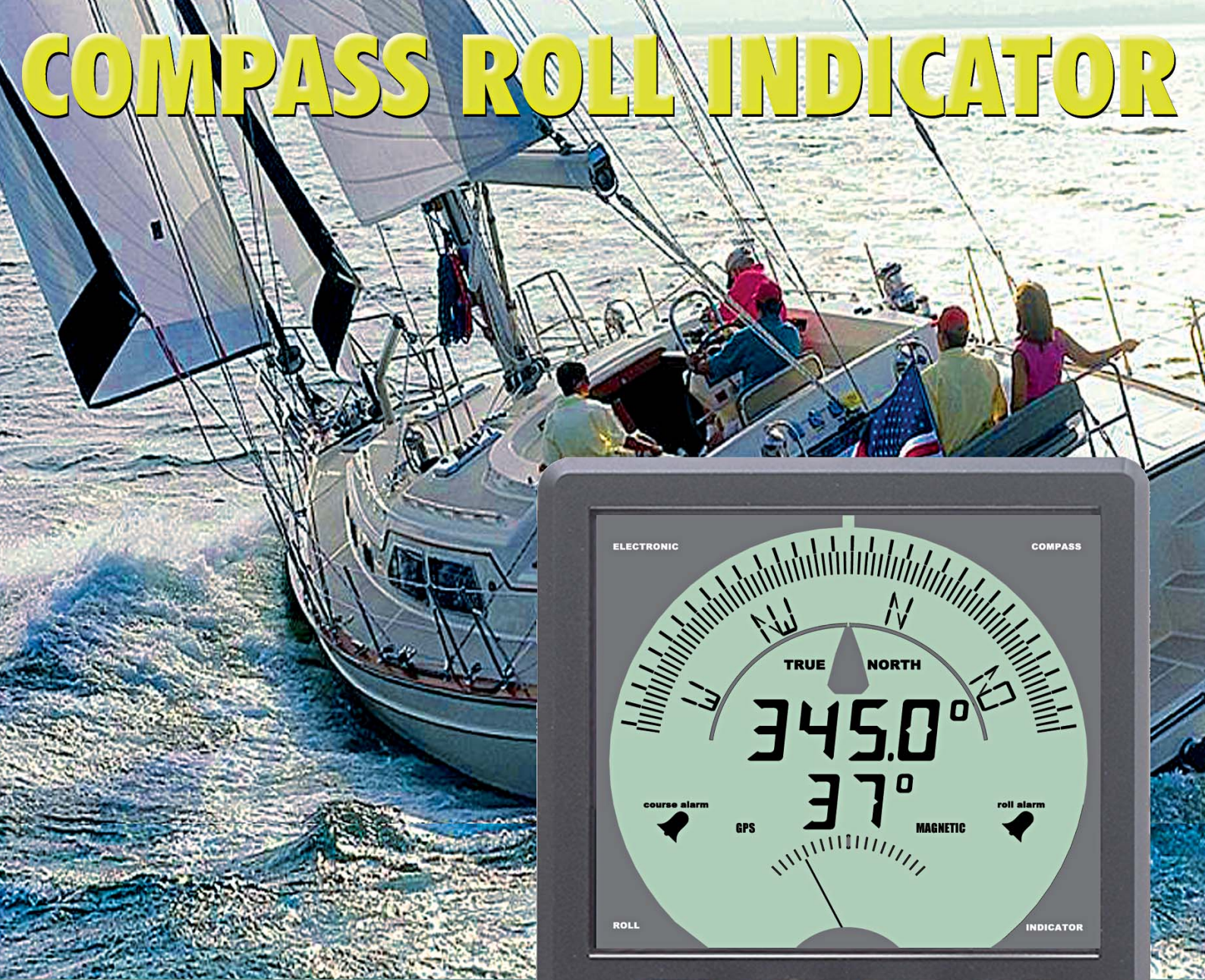


# COMPASS ROLL INDICATOR



## Digital Electronic Compass/ Roll Indicator

The electronic indicator model ECI3 presents GPS or magnetic and true compass course with a moving analog scale like in liquid compasses and a digital display with 0,1° resolution.

A second indicator presents the roll of the ship in an analog and digital way with a resolution of 1°. The instrument is designed to get data from the ECS electronic sensor, but can also handle NMEA signals from other sensors.

## Electronic 3D Gyro Compass Sensor

The solid-state Electronic 3D Gyro Compass Sensor ECS is tilt and roll compensated up to 35° and is available in a few different configurations. An additional GPS module can be combined with the compass sensor. Also 3D gyroscopic stabilization is an option. The interface is available in NMEA 0183, CAN-Bus and wireless 433MHz connection. All materials are seawaterproof and UV resistant.

Adjustable backlight  
Compass resolution: 0.1°  
Roll resolution: 1°

### Menu settings:

- Off Course / Roll Alarm
- Damping
- Variation
- Electronic Alignment

Optional:GPS  
Wireless 433MHz  
Gyro stabilized

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

### Interface options:

- NMEA 0183
  - optional CAN bus
- Power supply : 40mA @12V,  
: 20mA @24V
- Backlight current max. 90mA  
Operating temp. -20 to +70°

- NMEA 0183
  - optional CAN
  - Wireless 433MHz
- Update rate : max. 10/sec.  
Cable length : 10 meter  
Power supply : 50mA @12V,  
: 30mA @24V
- Operating temp. -20 to +70°  
Seawaterproof Sealed to IP66

ELPROMA  NAUTICAL