

21-9-2010

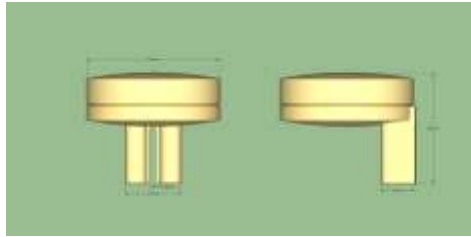
	<b>ECS-10</b>	<b>ECS-10W</b>	<b>ECS-20</b>	<b>ECS-20W</b>	<b>ECS-30</b>	<b>ECS-30W</b>	<b>ECS-40</b>	<b>ECS-40W</b>
	Compass	compass with wireless	compass with gyro	compass with gyro and wireless	compass with gps	compass with gps and wireless	compass with gyro and gps	compass with gyro, gps and wireless
IP 65 housing	√	√	√	√	√	√	√	√
Seawater proof	√	√	√	√	√	√	√	√
Operating temperature -20/70°	√	√	√	√	√	√	√	√
Magnetic course	√	√	√	√	√	√	√	√
3D ACCELERATORS	√	√	√	√	√	√	√	√
Pitch compensation up till 35°	√	√	√	√	√	√	√	√
Roll compensation up till 35°	√	√	√	√	√	√	√	√
3d Gyro stabilisation			√	√		√	√	√
Gps position waas/egnos 3-5m					√	√	√	√
Wireless data transfer 433 MHz w Dongle		√		√		√		√
Can option possible	√	√	√	√	√	√	√	√
NMEA 0183 in & out	√	√	√	√	√	√	√	√
Electronic alignment	√	√	√	√	√	√	√	√
Automatic calibration	√	√	√	√	√	√	√	√
Cable lenght 10 m	√	√	√	√	√	√	√	√
Better stability due to 3D Gyro			√	√		√	√	√
Heading accuracy static	1°	1°	1°	1°	1°	1°	1°	1°
Heading accuracy dynamic	3°	3°	2°	2°	3°	3°	2°	2°
Resolution	0,1°	0,1°	0,1°	0,1°	0,1°	0,1°	0,1°	0,1°
Power supply 12V/24V 50/30 mA	√	√	√	√	√	√	√	√
Output data includes HDG and HDT	√	√	√	√	√	√	√	√
Update rate 1/sec					√	√	√	√
Update rate 10/sec	√	√	√	√				
Baud rate 9600 bd	√	√	√	√	√	√	√	√
Baud rate 4800 bd	√	√	√	√	√	√	√	√

**Model ECD**

NMEA 0183 / USB / RF converter  
 Automatic synchronisation  
 Rf frequency 433 MHz  
 Power supply from USB or 10mA @ 12V / 5mA @ 24V

Dimensions 78 x 42 x 20mm  
 Operating temperature -20/70°  
 Cable lenght 100 cm  
 6 pole female terminal connector for NMEA and power + USB connector

	<b>ECS-10</b>	<b>ECS-20</b>	<b>ECS-30</b>	<b>ECS-40</b>	<b>ECS-40W</b>
	COMPASS INDICATOR	COMPASS /GPS INDICATOR	COMPASS /ROLL INDICATOR		
Adjustable backlight	√	√	√	√	√
Display resolution course	0,1°	1°			0,1°
Display resolution roll					1°
Off course alarm	√	√	√	√	√
Roll indicator acc. 2°					√
Roll alarm					√
Damping	√	√	√	√	√
Variation i.c.w. sensor ECS	√	√	√	√	√
Alignment i.c.w. sensor ECS	√	√	√	√	√
Calibration i.c.w. sensor ECS	√	√	√	√	√
True course	√	√	√	√	√
Magnetic course	√	√	√	√	√
Gps course	√	√	√	√	√
Drift			√		
Trip			√		
Log			√		
True Speed			√		
Longitude/latitude		√			
Time/Date			√		
Lay-out Toggle	√	√	√	√	√
NMEA 0183	√	√	√	√	√
Wireless 433 MHz w.Dongle	√	√	√	√	√
Optional Can bus	√	√	√	√	√
Power supply 12V/24V 50/30 mA	√	√	√	√	√
Backlight current 90 mA	√	√	√	√	√
Operating temperature -20/70°	√	√	√	√	√
Dimensions 110x110mm	√	√	√	√	√



### COMPASS COMPARISON



### INDICATOR COMPARISON



22-9-2010

	<b>ECS-10</b>	<b>ECS-10W</b>	<b>ECS-20</b>	<b>ECS-20W</b>	<b>ECS-30</b>	<b>ECS-30W</b>	<b>ECS-40</b>	<b>ECS-40W</b>
Compass	Compass	compass with wireless	compass with gyro	compass with gyro and wireless	compass with gps	compass with gps and wireless	compass with gyro and gps	compass with gyro, gps and wireless
planned production month	10	1	12	1	11	1	12	1
Price in € ex. VAT ex Driebergen NL	205	255	265	305	285	335	345	395
<b>cooperation</b>								
<b>EC11</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>EC12</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>EC13</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>ECD is included with wireless option</b>		✓		✓		✓		✓

### Application

Although EC11 and EC13 can cooperate with a compass with GPS option, it displays only the GPS course or if selected in the menu, the magnetic course.

The 3D Gyro option is highly advised if used on sailing yachts and rough waters in generally.

2 ECD's can make a wireless terminal to terminal connection

2 ECD's can make a wireless terminal to USB connection.

1 ECD can convert NMEA 0183 to USB

COMPASS INDICATOR

COMPASS / GPS INDICATOR

COMPASS / ROLL INDICATOR

NMEA 0183 / USB / RF converter

EC11

EC12

EC13

ECD

10

10

1

1

200

200

200

40