



**STANDARD HORIZON**

**GPS Chart Plotter**  
*CP180/CP180i*

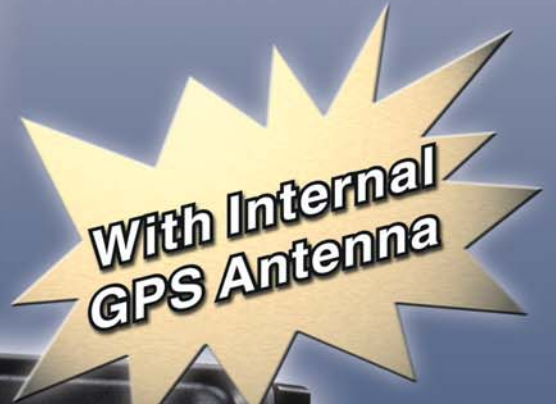
- CP180 (External GPS Antenna Version)  
CP180i (Internal GPS Antenna Version)
- 2NM Worldwide Background Included
- C-Map MAX or NT+ Award Winning Cartography Optional
- Customizable Data Windows:  
GPS Status, Chart, Navigation,  
Highway, Celestial, Tides, Chart/Fish,  
Fishfinder Pages  
(When Optional FF520 Connected)
- 600 Marks / 20 Routes
- NMEA Input /Outputs
- VHF DSC Polling Capable
- Swivel Mounting Bracket Included



External Antenna  
(CP180)



**CP180**



With Internal  
GPS Antenna  
(CP180i)



**MAX** CP180i  
C-MAP NT

\*Simulated LCD Display

### CP180 (External GPS Antenna Version)

The CP180 comes complete with an external Smart GPS Antenna. The Smart antenna is supplied with 10 m of wiring which can be cut and spliced for easy installation.



### CP180i (Internal GPS Antenna Version)

The CP180i comes complete with the GPS antenna integrated into the GPS Chart Plotter. The CP180i is easily mounted in any location with a clear view of the sky.



### 2NM Worldwide Background Included

Both Chart Plotters come preprogrammed with a very extensive internal charting Database. These units give you the ability to Pan and Zoom in to the 2NM scale anywhere in the world.

### C-Map MAX or NT+ Award Winning Cartography Optional

For even greater detail add the C-MAP C-CARD for unparalleled charting performance. C-MAP also includes a comprehensive database of all marinas, and port services.

### Customizable Data Windows: GPS Status, Chart, Navigation, Highway, Celestial, Tides, Chart/Fish, Fishfinder Pages (When Optional FF520 Connected)

Data windows can be fully customized to meet the demands of the user. Split screen Fishfinder / Chart page is available when the Optional FF520 is connected.

### 600 Marks / 20 Routes

The CP180/CP180i has more than enough memory to meet the demands of even the most discerning of navigators. With enough memory storage for 600 Marks and 20 Routes there will be no problem finding the way.

### NMEA Input /Outputs

Easy NMEA interfaces allow connection to any NMEA compatible marine equipment to share navigation information.

### VHF DSC Polling Capable

Connect to a Standard Horizon VHF and transmit and receive position information automatically with any compatible DSC VHF.

### Swivel Mounting Bracket Included

The included swivel bracket allows for easy view angle adjustment, this is a necessity for any active boating enthusiast.

### SPECIFICATIONS

Power Consumption CP 180i	520mA max @ 12V
CP 180	460mA max @ 12V WITH EXTERNAL GPS CONNECTED
CP 180	410mA max @ 12V WITHOUT EXTERNAL GPS CONNECTED
Power supply	10-35 VDC
Interface	Input/Output Interface NMEA-0183
Display	TFT Color LCD (active area 5") sunviewable technology
Display Resolution	320 x 240 pixels
Cartography	C-MAP NT+/MAX C-CARD
Operating Temperature Range	-18° C ~ +55° C
Storage Temperature	-20° C ~ +70° C
Water Resistance	Splash-proof
Memory	Internal non volatile for user data backup
Keyboard	Silicon rubber, backlight
Weight (without bracket)	600 g
Dimensions	181 (W) x 111 (H) x 44 (D) mm
User Points (Marks/Waypoints)	600
Routes	20 (max 30 Waypoints each)
Track Points	3000 (recordable in 5 Tracks)

### ANTENNA CHARACTERISTICS (CP180 Ext. GPS Antenna)

Color	Ivory white
Dimensions	96.5 mm diameter x 33 mm in height (flush mounted) or 60.9 mm on flag-pole mount
Weight	158.7 g (without cable)
Cable GPH 10	White 1.5 m 8x28AWG cable with 6 pins female connector

### ELECTRICAL CHARACTERISTICS (CP180 Ext. GPS Antenna)

Input Voltage	10 VDC to 35 VDC unregulated
Input Current	112 mA @ 12 VDC 60 mA @ 24 VDC 45 mA @ 35 VDC
GPS Receiver Sensivity	-145 dBW minimum

### GPS PERFORMANCE

Receiver	WAAS (North America), EGNOS (Europe), MSAS (Asia)
Geodetic Datum	WGS84
Channels	12
Frequency	1575.42 MHz (L1, C/A code)

### ACQUISITION TIME (Approximate)

Reacquisition	Less than 1 second
Hot Start	8 seconds (typical)
Warm Start	< 40 seconds (typical)
Cold Start	< 45 seconds (typical)

### ACCURACY

Position	less than 10', 95% of the time
Speed	0.3 Knots RMS

### NMEA OUTPUT MESSAGES/UPDATE RATE

GGA : 1 second	GLL : 1 second	VTG : 1 second	RMC : 1 second
GSA : 3 seconds	GSV : 3 seconds	PCMPD : 1 second	

Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

### OPTIONAL ACCESSORIES



#### Black Box Fish Finder

#### FF520

Dual Frequency Black Box Fish Finder (500W or 1000W depending on transducer connected)

500W Transducers  
 DST520 - Nylon depth only  
 DST521 - Transom mount depth, temp speed  
 DST523 - Bronze depth temp  
 DST525 - In-hull depth only  
 1000W Transducers  
 DST526 - In-hull depth only  
 DST528 - Bronze thru-hull depth temp

•Dimensions 193.5 W x 55.6 H x 174.5 D mm  
 •Weight 1 kg  
 •Frequency 50/200 kHz  
 •Max Depth 1200 ft @ 200 kHz  
 4000 ft @ 50 kHz  
 •Power output 500 W or 1000 W, depend on transducer  
 •Voltage range 10-35 VDC  
 •Current drain STBY: 170 mA @ 10 VDC  
 MAX: 1.42 A @ 12 VDC