#### Other CruzPro Products

- Depthsounder, Fishfinder, Active Transducers
- Speed/Log/w Water Temperature Display
- DC Volts/Amps/Amp-Hour Monitors
- AC Volts/Amps/Frequency/kW Monitor
- LPG/Petrol Gas Detectors/Alarms
- Bilge Water Detector/Alarms & Pump Controllers
- Windlass Controller/Chain Counter
- Digital Fuel Gauge/Consumption Calculator
- Smart Alternator Regulators
- Marine Security System
- RPM/Engine Hours/Elapsed Time Gauge
- Digital Oil Pressure Gauge/Alarm
- Digital Water Temperature Gauge/Alarm
- Digital Amps Gauge
- 3 Bank Digital Volts Gauge/Alarm
- Digital Clock/Watch/Race Timers/Alarms
- 8 and 16 Amp Light Dimmers
- Battery Voltage Monitors/Alarms
- Solar Panel Charge Controllers
- 4 & 8 Channel NMEA Combiners/RS-232 Convertors
- Engine/Exhaust Temperature Monitor/Alarm

Full details at http://www.cruzpro.com Email to: info@cruzpro.com

# CruzPro® GPS-2



Integrated NMEA 0183 GPS/antenna and Paddlewheel Speed Pulse Converter

### **Operation**

When powered on, the the built-in GPS inside the will take a few moments to lock onto the available sattelites and output both GPS NMEA 0183 data and outputs analog paddle wheel speed pulses at 22,000 pulses per nautical mile.

The GPS-2 NMEA 0183 output can be used by your favorite chartplotter or charting software and a seperate speed output replaces a thru-hull or transom mount paddlewheel speed transducer. The GPS-2 provides Speed Over the Ground (SOG).

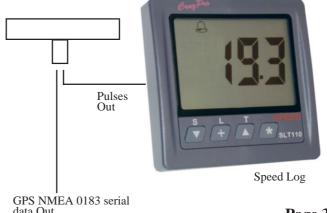
No more cleaning of paddlewheels to remove marine growth or weeds.

Provides a more accurate estimate of time to get to your destination since it is not affected by water currents and provides a resolution of 0.01 knots from 0.00 to 65.00 knots.

## Page 6

#### Introduction

The GPS-2 is a GPS and GPS antenna that outputs NMEA 0183 serial GPS data and also creates an analog paddlewheel speed signal that can be used by speed logs in place of a paddle wheel speed transducer.



Page 3

Table of Contents		<u>NOTES</u>
Introduction		
Specifications		
Installation		
Operation		
Other CruzPro Products	8	
0.2017 G . D . I . I	CDC2 A A	
©2017 CruzPro Ltd. http://www.cruzpro.com	GPS2_AA Made in New Zealand	
nup.//www.cruzpro.com	Made III New Zealand	

#### Page 2 Page 7

## **Specifications**

**Table of Contents** 

Power supply: 10.5 to 14.5 VDC, .04 amps nom.

**Operating temperature:** 32 to 122 F ( 0 to 50 C)

**Size:** 5.7" (145mm) diameter x 2.4" (60mm) tall,

including the mounting base.

Cable: 9M (30 feet) of shielded cable. Ends are

stripped and tinned.

NMEA 0183 Data Output: \$GPRMC.

UTX Time, Lattitude, Longitude, Speed Over Ground (knots), Course Over Ground, Date (dd/mm/yy).

**Speed Output:** 22,000 pulses per nautical mile (0.00 to 65.00 knots).

### Installation

Wire the GPS-2 as shown below. For best performance the antenna should be mounted in an area having a clear view of the sky.

	Ground (Black) +10.5 to +14.5 VDC (RED)
=	GPS NMEA 0183 Out (WHITE)
=	Speed Pulse Output (BLUE)

Page 5 Page 4