

## Uni-PPS Splitter

PPS and NMEA signal splitter

### 1. Introduction

The Uni-PPS Splitter is a PPS and NMEA signal splitter, having a wide range of applications in the Hydrographic Survey field. It allows time synchronization of multiple acoustic systems and logging systems.

The system consists of a RS232/RS422/RS485 splitter combined with a PPS pulse splitter. The RS232/RS422/RS485 can support baud rates up to 115kbps. The PPS triggering is user selectable between Positive or Negative edge.

All channels have full galvanic isolation between ports, with ease-of-use to connect multiple devices requiring PPS signals and RS232/RS422/RS485 comms from a single source.



### 2. Features

- > 2 x PPS (BNC), 1 x NMEA (RS232 & RS422/485) & 1 x NMEA (RJ45) inputs
- > Galvanic Isolation between all inputs/outputs
- > 1 in 8 output ports each (NMEA and PPS)
- > Standard 19" rack mountable
- > RS232, RS422/485 & RJ45 user selectable
- > Selectable positive/negative trigger logic

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### 3. Specifications

<b>Dimensions</b>	437mmx 141.5mm
<b>Weight</b>	1.5Kgs
<b>Inputs</b>	2 x PPS (BNC), 1 x NMEA (RS232 &RS422/485) & 1 x NMEA (RJ45)
<b>Outputs</b>	8 x PPS (BNC); 8 x RS232/RS422/RS485 (DB9)
<b>Input Power</b>	110-240 AC (50/60 Hz)
<b>Operating Temperature</b>	-2° to +55° C
<b>Material</b>	Anodized Aluminium
<b>I/P Pulse Trigger Levels O/P Pulse</b>	1V 2V 3V 4V (Rising/falling edge trigger) Pulse length – 20ms; Voltage level 5V

### 4. Front and Back View

