

RTS PPS Distribution

GPS time synchronization

The RTS PPS distribution panel is the key solution for distributing GPS timing signals to survey spreads. It can be used to distribute one or two separate timing telegrams together with PPS pulse.

The system consist of two RS232 splitters combined with three PPS pulse splitters.

Selectable PPS pulse width, 500us, 1ms or directly from the GPS. Selectable PPS triggering, positive or negative edge. Typically used for time synchronisation of logging systems and multiple sensor synchronization.

Main features

- Two eight-channel RS232 splitters
- PPS pulse width extender
- Supports baud rates up to 115kbps
- Full RS232 levels (+/-8V)
- PPS TTL Level
- Low Latency
- Data, PPS and power indicators
- ESD-protected inputs
- Selectable PPS trig

TECHNICAL SPECIFICATIONS

Connections

Input	1 x PPS / BNC
	2 x RS232 / RJ45
Output	2 x 8 RS232 + PPS / RJ45
	8 x PPS / BNC

Power	110 - 240V 50-60 Hz AC Supply
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Environmental

Operating temperature	-2°C to +55°C
Weight	4,7 kg
Housing	Aluminium & Steel

Dimensions

482,6mm x 89mm x 255mm (19", 2U)

