

SR PARGPS PRODUCT FLYER

The Symmetric Research PARGPS timing accessory provides precision time stamping for data acquired with the SR PARxCH A/D boards. Based on the Garmin GPS 18x LVC receiver, the system provides 10 usec accuracy for the PAR1CH and PAR4CH systems, and 0.80 usec absolute accuracy for the PAR8CH.

The PARGPS marks time stamps and location in real time as PARxCH analog data is acquired. Industry standard RS232 NMEA strings are used for coarse timing and location, while a precision PPS (pulse per second) signal is used for accurate time stamping. The NMEA messages are connected to a PC COM port by a standard DB9 serial port cable, while the PPS signal is fed directly to the digital IO connector of the PARxCH for processing by the A/D system.

Full software support is included at no cost for Windows 2K/XP and Linux. Acquisition applications such as PARxCH Scope and Simp automatically store PARGPS ongoing time and location information along with the 24 bit analog data. Source code and circuit diagrams are included for system customization.

HARDWARE FEATURES

- Ideal for applications requiring accurate time stamping of PARxCH analog data
- Uses Garmin GPS 18x LVC receiver with standard NMEA string serial messages
- Accurate PPS pulse per second signal with toggling red LED
- Time stamp accuracy of 800 ns (PAR8CH) or 10 us (PAR4CH,PAR1CH)

- PARGPS board sits outside the PC and stacks with the PARxCH
- NMEA string serial messages connect to PC RS232 COM ports
- PPS signal connects to PARxCH digital input for precision time stamping

- 9 vdc / 130 ma power consumption, same physical dimension as PAR4CH
- Cables, vinyl steel enclosure, and Garmin antenna included with "in the box" systems

SOFTWARE FEATURES

- Ready to go software for immediate data acquisition with time stamping
- Utilities to display GPS time and location while acquisition is in progress
- Win 2K/XP and Linux compatible
- Full documentation including source code and circuit diagrams

PRICES

SR Product	Description	Price
PARGPS	PARxCH GPS timing and location accessory	\$285
PAR1CH	1 channel 24 bit A/D system for PC parallel port	\$220
PAR4CH	4 channel 24 bit A/D system for PC parallel port	\$575
PAR8CH	8 channel 24 bit A/D system for PC parallel port	\$980
TRANS-WALL-09V-DC	Wall transformer for powering PARGPS separately	\$15