

## PBX Data Logger

PBX Systems LLC is pleased to offer the PBX Data Logger. This unit provides the user with expandable storage and filtering of NMEA data strings. By utilizing off-the-shelf Compact Flash memory cards the unit is instantly ready to record as much as one gigabyte of data dependant on the size of memory card being used. The unit offers dual Asynchronous RS232 serial ports and two closure inputs, a user operated switch and a remote closure input. All data and closures are time tagged relative to each other.



Applications include simultaneous logging of navigation with sensor data (fathometer, gyrocompass, etc.) and remote unattended data logging. All operating parameters, including com port baud rate and message definitions, are stored on the Compact Flash card. Data can be easily read from the Compact Flash card on any Windows equipped PC using a Compact Flash card reader.

- Cost effective solution for storing remote sensor data.
- Unit utilizes off-the-shelf Compact Flash memory cards.
- Dual Asynchronous RS232 communications ports.
- Switch closure and remote closure included.
- 9 to 36 Volt DC input, consumes less than 1 Watt.
- All events and data are internally time tagged relative to each other.
- Unit housed in a tough aluminum enclosure.
- Unit can be customized for client needs.
- Designed, constructed, and programmed in USA.

## Physical & Electrical Description

<b>Size (inches)</b>	4.125 x 3.75 x 1.75	<b>Weight</b>	12.8 ounces
<b>Power</b>		<b>Input Voltage</b>	+9 to 36 VDC
<b>Communication Ports</b>			2 Serial RS232 Asynchronous
<b>Input/Output Connectors</b>			2 DE9 male
<b>Remote Closure Input Connector</b>			1 BNC female

## Sample Data

Millisecond Count	NMEA String	Com Port
137317	: \$GPGGA,205220,2938.080154,N,09534.638980,W,1,08,1.4,15.14,M,-23.60,M,,0000*4E	(COM1)
138318	: \$GPGGA,205221,2938.080154,N,09534.638979,W,1,08,1.4,15.12,M,-23.60,M,,0000*4F	(COM1)
139282	: pickle switch event	
139319	: \$GPGGA,205222,2938.080154,N,09534.638980,W,1,08,1.4,15.12,M,-23.60,M,,0000*4A	(COM1)
139886	: pickle switch event	
140320	: \$GPGGA,205223,2938.080156,N,09534.638983,W,1,08,1.4,15.12,M,-23.60,M,,0000*4A	(COM1)
141316	: \$GPGGA,205224,2938.080129,N,09534.638976,W,1,08,1.4,15.06,M,-23.60,M,,0000*4A	(COM1)
143260	: \$GPGGA,205226,2938.080130,N,09534.638979,W,1,08,1.4,15.03,M,-23.60,M,,0000*4A	(COM0)
144324	: \$GPGGA,205227,2938.080132,N,09534.638981,W,1,08,1.4,15.03,M,-23.60,M,,0000*4E	(COM0)
145325	: \$GPGGA,205228,2938.080132,N,09534.638982,W,1,08,1.4,15.02,M,-23.60,M,,0000*43	(COM0)
146321	: \$GPGGA,205229,2938.080128,N,09534.638981,W,1,08,1.4,15.05,M,-23.60,M,,0000*4D	(COM0)
147328	: \$GPGGA,205230,2938.080128,N,09534.638983,W,1,08,1.4,15.05,M,-23.60,M,,0000*47	(COM0)
148329	: \$GPGGA,205231,2938.080128,N,09534.638983,W,1,08,1.4,15.05,M,-23.60,M,,0000*46	(COM0)

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For more information please contact Daniel Virobik at danv@pbxsys.com.

**PBX Systems LLC**  
**12718 Century Drive**  
**Stafford, Texas 77477**  
**Phone 281-240-6163**  
**Fax 281-240-4856**  
**www.pbxsys.com**