

# VECTRONIC AEROSPACE INTRODUCES TWO NEW GPS COLLAR FAMILIES

Based on the well known and field proven design of the GPS PLUS collars, VECTRONIC Aerospace GmbH has developed two new GPS PLUS collars for cost sensitive applications. Without any compromises in quality the “**GPS PLUS Store On Board**” and “**GPS PRO Light**” collars are rigorously designed to reduce the price for customers and projects that are focussed on the analysis of GPS navigation data .



GPS PLUS  
Store On Board-1C Collar



GPS PRO Light-3D Collar

## **GPS PLUS Store On Board Collar, starting at Euro 1250,-**

The GPS PLUS Store On Board system is designed as a data logger without remote communication option. This collar is capable of tracking the fine-scale movements of individual wildlife animals, but can be used for livestock applications as well. Rechargeable batteries for short term studies with a duration of less than 5 months are available to reduce the operating costs.

## **GPS PRO Light GSM Collar, starting at Euro 1700,-**

The GPS PRO Light system is a GPS GSM collar with SMS up and download feature. The collar will automatically transmit the GPS positions to a GSM ground station in your office. In case of no or poor GSM communication conditions the data will be resend later when the collar is back in GSM coverage. New GPS and VHF schedules or advanced configurations might be uploaded to the collar via SMS too. The transmitted GPS positions will not be erased from the collar memory and can be downloaded at the end of the project via cable to the PC. The used GSM quad-band technology (850/900/1800/1900 Mhz) guarantees a world wide operation of the GPS PRO LIGHT Collar.

The GPS PLUS Store On Board and the GPS PRO Light Collar uses the same high sensitive GPS design like the new GPS PLUS 2006 Collar. All VECTRONIC collars will be configured with the powerful GPS PLUS software, incl.:

- Export data to ASCII, spreadsheet or DBASE format
- Graphical presentation of GPS and activity data
- Export GPS data into more than 100 different worldwide coordinate / grid systems (optional)
- Automatic email support for GPS and mortality data (GSM collars only, optional)
- SQL database for all collar data (optional)
- Direct interface to Google Earth



## GPS PLUS Store On Board: No. of position

Battery Pack	Collar weight	Worst case calculation	Average calculation	Best field calculation	Open land calculation	Basic price EURO
1C	350	2000	4000	8000	12000	1250
1D	420	5000	10000	20000	30000	1250
2D	600	10500	21000	42000	63000	1300
3D	800	16500	33000	66000	99000	1350
4D	950	23000	46000	92000	138000	1400
5D	1150	30000	60000	120000	180000	1450
7D	1350	42000	84000	168000	252000	1550

## GPS PRO Light: No. of position

Battery Pack	Collar weight	Worst case calculation	Average calculation	Best field calculation	Open land calculation	Basic price EURO
1C	380	1500	2600	4000	5400	1700
1D	450	3750	6500	10000	13500	1700
2D	630	7875	13650	21000	28350	1750
3D	830	12375	21450	33000	44550	1800
4D	980	17250	29900	46000	62100	1850
5D	1180	22500	39000	60000	81000	1900
7D	1380	31500	54600	84000	113400	2000

Worst case calculation: GPS receiver is switched on for max. 180 s; Average calculation: GPS receiver is switched on in average for 90 s; Best field calculation: GPS receiver is switched on in average for 45 s; Open land calculation: No obstacles in the reception path of the GPS receiver; Ambient average temperature of 0°C

The GPS PRO Light and the GPS PLUS Store On Board Collars have exchangeable battery packs. You can easily up- or downscale the capability of the collar with another battery pack.

The collars are available with the additional options:

- Additional VHF beacon transmitter € 100,-
- Temperature logging option (every 5 minutes): € 50,-
- Timer controlled Drop Off Call
- Radio and timer controlled Drop Off Call
- Coloured belt (standard colour) € 25,-
- Coloured belt (non standard colour) € 75,-

More options are only available for the GPS PLUS 2006 Collars like:

- One axis activity logging (permanent)
- Two axis activity logging (permanent)
- Three axis activity logging (permanent)
- Heading sensors
- Mortality logging
- DGPS data output (pseudoranges)
- RINEX output
- Bi-directional UHF data communication
- ARGOS transmitter option

GPS Collar Type	GPS	GSM	UHF bi-directional data communication	GPS schedule upload remotely	ARGOS transmitter	VHF schedule upload remotely	Configuration and data download by cable	VHF beacon transmitter	Temperature logger	One axis activity logger	Two axis activity logger	Three axis activity logger	Mortality logger	Hibernation sensor	DGPS output	RINEX output	Timer controlled Drop Off	Timer and radio controlled Drop Off	Coloured belt	Reflective stripe	Virtual fences option
GPS PLUS Store On Board	✓	•	•	•	•	•	✓	✓	✓	•	•	•	•	•	•	•	✓	✓	✓	✓	•
GPS PRO Light	✓	✓	•	✓	•	✓	✓	✓	✓	•	•	•	•	•	•	•	✓	✓	✓	✓	•
GPS PLUS 2006	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Not Possible</b>	-																				
<b>Possible</b>	✓																				