

VERTEX Plus GPS Collars

Next Generation Activity Sensor

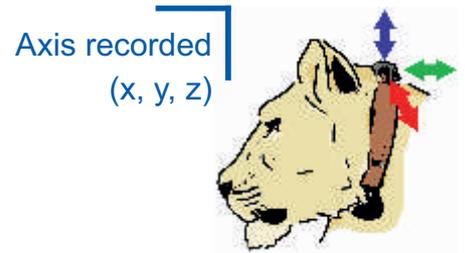
The VERTEX Plus collar generation includes a new acceleration sensor for monitoring behavior and activity. In contrast to previous sensors it records and stores true acceleration raw data. That enables the researcher to observe not only general activity patterns, but to distinguish distinct behavior and calculate high detailed activity protocols.

Features

- Recording with 2, 4, 8, 16 or 32Hz
(Measurements taken 2, 4... times per second)
- Store Raw Data
- On-board conversion to "GPS Plus" activity mode
(for data comparability)
- On-board memory capacity for several years



The new activity sensor is available as an independent add-on for existing GPS Plus and Pro Light collars



Sensor comparison (old vs. new)

	GPS PLUS Activity Sensor (<2015)	VERTEX Plus Activity Sensor (>2015)
Data recording	4Hz on 3 axis (x, y, z)	2,4,8,16 or 32 Hz on 3 axis (x, y, z)
Data processing	averaging (mode depending)	none
Axis used	mode depending (e.g. Mode1: 1 value for x, y axis every 296s)	3 (x, y, z)
Optional data processing	none	conversion to GPS Plus modes
Data storage	mode depending	raw data (+ GPS Plus mode data)
Memory capacity	depending on sampling rate (e.g. up to 5 years with Mode1)	depending on sampling rate (e.g. up to 5 years with 8Hz)
Application	activity pattern, seasonal changes, rhythms	acceleration data viewer

GPS Collars made in Germany since 2000

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