

Parachute Data Logger

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JumpRecorder™ is a wearable, rugged, network ready, data recording and management system for parachuting applications. Its small form factor and low power design allows easy integration into existing systems without altering parachute safety characteristics.

Features

- Records performance data from accelerometer, gyroscope, altimeter, compass, temperature, and GPS track using our MEMS-based device
- Data transfer via USB connection (Bluetooth optional)
- Manage, analyze, and visualize jump data using our user-friendly JumpView™, a desktop and web application
- Enables parachute inventory and life cycle management

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Applications

- Parachute jump training
- Test and Evaluation (T&E) of new parachute concepts
- After Action Reports (AAR)
- Black box for incident investigations
- Alternative for parachute load cell systems



Specifications

Hardware

- 4GB of internal storage with USB data transfer and recharging
- Compatible with personal and cargo parachutes
- Automated wake-up capability
- Integrated precision GPS receiver and high performance antenna

JumpView™ User Interface

- An intuitive interface for enterprise-wide data management
- Advanced analytics
- Time-based event tracking
- Storage, charting, and data visualization

Accelerometer:	+/- 16g, 3 axis, Sampling rate up to 400Hz
Altimeter:	100-1200 mbar @ 0.012 mbar resolution
GPS:	< 3 m CEP Position accuracy, Sampling rate 10Hz
Gyroscope:	+/- 2000 degrees per second, 3 axis, Sampling rate up to 400Hz
Compass:	0.5 deg. resolution
Power Consumption:	50mW (in standby mode) 140mW (recording at max rate)
Operating Temperature:	-40 to +85 °C
Weight:	100g
Physical Dimensions:	98 x 62 x 19mm (3.9 x 2.4 x 0.75in)
Data Storage:	70 hours (recording at max rate) 200+ hours (reduced data rates)
Battery Runtime:	20 hours (recording at max rate) 64 hours (in standby mode)

*Data subject to change without notice



For more information, contact
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Complete Parachute Solutions, Inc.