DYNANAV
DYNAMIC NAVIGATION & MAPPING SYSTEMS

DynaFlight-SeisBag-II™

A GPS/GLONASS (Global Positioning System) based guidance and mapping system that provides precise navigation and recording of the placement and retrieval of any material by helicopter. A **DynaFlight-SeisBagII™** system simply and automatically points the way to the targeted sites.

Featuring a unique simple to use interface, **DynaFlight-SeisBagII™** provides improved productivity in the deployment/retrieval of materials, such as seismic bags, as well as new tools for rapid and efficient pattern upload and download. The highly accurate (1 meter or better) on–board point management system combined with the helicopter, make a winning combination for safe and effective navigation in forests, mountains and many other challenging situations.

Using **DynaFlight-SeisBagII™** on-board mapping tools, the pilot can simply fly directly to the points and the system automatically stores the deployment location for later retrieval and reporting to the surveyor.

Using the **SeisBag-Ground™** ground based software, the 3D Survey Data can be uploaded, downloaded and managed for Seismic bag and other materials locations. Using the receiver and source pattern, the **SeisBag-Ground™** software creates and adjusts the bag deployment pattern. **DynaFlight-SeisBagII™** maintains a permanent record of all 3D flight paths including date and time. Optional telemetry gives live tracking as well as upload/download of the target points and mission plans to the helicopter.

The **DynaViz™** Display Unit provides the pilot with full "in view" guidance and operation of the system - ***without the need to divert his gaze from the job.*** The **DynaFlight-SeisBagII™** system also features a full moving map display on the **DynaViz™** that provides up to the moment job information as well as a base reference map.

Fly and deploy! With the hands-on **Tophat switch** in the collective or cyclic, the pilot has complete control of the entire **DynaFlight-SeisBagII™** system; all inputs are visible in the **DynaViz™** Display. Most operations are completely automatic without the need for pilot input.

The complete helicopter system consists of the **DynaFlight-SeisBagII™** software and three main units, the **DynaViz™** Display Unit EL (Electro luminescent) display, the **DynaByte™** processor unit and the **Grip Switches** complete with mounting brackets, harnesses and antennas.

Specifications:

- Includes WAAS,
- **DynaViz™** Display Unit – EL flat panel display showing position, moving-map, guidance and operating buttons, for a safe operation.
- **DynaByte™** – rugged environmentally resistant enclosure with military spec. connectors.
- Tophat and MS switch for integration into collective or cyclic.
- Windows based software with Installation manual and quick reference user guide.
- GPS/GLONASS Engine is sub-meter and presented at ten position solutions per second or better.
- Optional **Telemetry-Remote** for live tracking as well as ***DynaMap™*** for creating background maps for ground and Air.

Environmental:

Operating Temp:	-30 to +50 degrees C.
Storage Temp:	-40 to +70 degrees C.
Humidity:	5 to 95%, non-condensing
EMI/RFI:	DOC, FCC

Physical:

	DynaByte™ Processor	**IFGI Display Unit**
Width:	7.25 ins (18.5cm)	6.25 ins (16cm)
Height:	6.5 ins (16.5cm)	5.25 ins (13cm)
Depth:	5 ins (13cm)	6.5 ins (16cm)
Weight:	4.4lbs (1.7kg)	1.6 lbs (.6kg)

Installation kit including antenna and **Tophat** - 4 lbs. (1.9kg) Please note: Specifications subject to change without notice.

8-40 VDC, negative ground (system requires less than 14 watts

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