

AHS-160 Airborne Hyperspectral Scanner



Date Revised: 28 JAN 04

VENDOR DESCRIPTION

The AHS-160 Airborne Hyperspectral Scanner is based on the integration of many advanced technologies developed by SenSyTech. Each of the individual items has been delivered and field-tested in operational use.

The AHS-160 incorporates advanced components to ensure high performance while maintaining the ruggedness to provide operational reliability in a survey aircraft. The AHS-160 version uses the full scan aperture for maximum sensitivity performance.

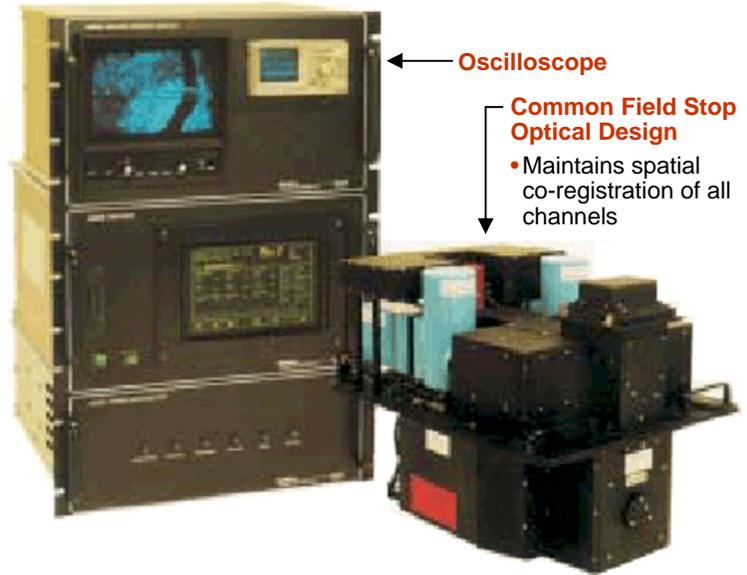
- Up to 80 spectral bands (or more) sampled and recorded simultaneously
- Computer-compatible 8mm cartridge or removable disk data recording
- Built-in real-time display and Built-In Test features
- Operator touch panel control system with easy menus
- 12-bit digital resolution
- Data output compatible with ENVI®

Moving Window Display (MWD)

- To check flight line and overall data quality in flight
- Built-in GPS receiver
- Simple software update

Touch panel for operator control of system offers:

- Automatic system diagnostics; Built-In Test (BIT) on startup
- Simplified user interface with menus providing convenient system setup and control
- Special mission configuration setups can be stored in memory; configuration settings can be loaded on the ground



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Business Category: Small Business

HS

Hardware	Performance
Power: 1400 watts	Swath Width: >1800 ft @ 1000 ft AGL (90° FOV)
Weight: 200 kg or 460 lbs	Sensor Type: Line Scanner
Dimensions: 670mm x 520mm x 71mm	On-board Storage Capacity for Continuous Collection for 8 hours
In-Flight Manipulation of the Sensor: Yes	
Operating Altitude: 2K ft to 50K ft AGL	
Operating Speed: 75 knots to 250 knots	
Operating Temp.: -55°C to 50°C	