AVIDYNE

FlightMax EX5000

Avidyne's FlightMax EX5000 brings affordable, large-format multifunction display capability to the flight deck of general aviation aircraft.

Avidyne's 10.4" diagonal, large-format FlightMax EX5000 multi-function display provides revolutionary, next-generation, moving map and datalink display capability.

Multilink™ Sets the New Standard

With its built in two-way datalink and the ability to interface with the XM WX broadcast system, the FlightMax EX5000 with MultiLink provides the complete weather picture along your route of flight. You can view NEXRAD and graphical METAR weather information seamlessly integrated on a large 10.4" moving map with flightplan, lightning, traffic, and terrain information.

FlightMax EX5000

Multi-Function Display

The Best Map Available

FlightMax EX5000 is the most advanced, yet easy-to-use large-format MFD available for general aviation aircraft. All special-use and class airspaces are color-keyed for added clarity, and can be displayed at the same time as NEXRAD or weather radar data for a more complete picture. Full overlay capability allows you to add or remove traffic, lightning, and radar, with 180-degree forward view and 360-degree center view maps.

All The Information At A Glance

The Trip Page provides information about your route of flight including a list of all remaining waypoints in the active flightplan, with distances and times for each leg. Graphical METARs for all reporting airports are also listed, which can help you in determining an alternate airport in the event of inclement weather or an emergency situation. Textual METARs are also available for each reporting airport. FlightMax translates the METAR abbreviations into plain English for easy interpretation.

The Easiest To Use

The FlightMax EX5000's user interface dramatically improves your ability to access and display critical flight data. This design philosophy keeps operation simple and consistent by allowing you to select and display what you need on a single easy-to-interpret integrated moving map. The FlightMax EX5000 can also act as the on-board radar display, providing easy access to radar modes, tilt control, and bearing adjust.

With the FlightMax EX5000's map-centric operation, you can display a moving map of your flight plan along with radar and datalink weather. And special-use airspace. And traffic. And terrain. And lightning. Without ever leaving the map page. It's the only large-format display that provides the complete picture and it's the easiest to use.

CMax™ – Maximizing Your Approach

Avidyne's CMax™ Electronic Charts option offers a world-wide library of geo-referenced approach charts and airport diagrams, helping you manage and access critical flight information and reducing the amount of paper required on board your aircraft.

CMax allows pilots customers to view approach charts and airport diagrams along with their aircraft's position and flight plan for improved situational awareness during the most critical phases of flight.

Utilizing Jeppesen™ trusted JeppView™ Electronic Airway Manual, CMax makes accessing an approach or viewing an airport diagram a breeze. At startup, your departure airport chart is automatically loaded for ease of orientation, especially at unfamiliar fields.

Your destination airport diagram and the list of available approaches are automatically loaded at the time your flight plan is entered, and can be viewed easily using the Auto-fill capability, or you can easily select and view any approach at any airport in the database.

The FlightMax EX5000 interfaces with several digital radar models, which can be overlaid right on the map page or viewed on a dedicated radar page.

CMax automatically switches to the destination airport diagram when ground speed drops below 40kts and shows your aircraft's position on the runway or taxiway.

EX5000 NavData and CMax™ approach charts can easily be updated using USB flash memory

Applicable TSOs
- TSO C63c Airborne Weather Radar
- TSO C110a Airborne Passive Thunderstorm Detection
- TSO C113 Airborne Multipurpose
- TSO C147 Traffic Advisory System (TAS)

Display
- 10.4" Diagonal, Color Active-Matrix LCD Sunlight readable
- 800x600 pixels, 65,536 colors

Physical Dimensions
- 8.5"H x 10.7"W x 4.62"D

Weight
- 6.75 lbs

Power Requirements
- Max 5.0A @ 28VDC

Environmental
- DO 160D to 50,000 ft.
- -20C to +55C Operating
- +70C Short Term

Cooling
- Internal forced air cooling provided

Warranty
- 2 years parts & labor included
- Extended warranty service available

Multilink Interfacev
- Heads Up Technologies XMD-076A using XM WX Satellite Weather Service
- Internal datalink transceiver using FlightMax Datalink Weather Service & ORBCOMM satellite network.

Vector-Graphic Moving Map
- Americas Jeppesen NavData
- International Jeppesen NavData – Optional
- Portable Dataloader – Optional

GPS/FMS Interface
- RS-232
- ARINC 429 GAMA Graphics

Approach Charts
- CMax – Jeppesen Electronic Airway Manual Charts – Optional

Traffic Interfaces
- Avidyne TAS 600 Series
- Ryan 9900B/9900BX
- Honeywell KTA870/KMH880 TAS/IHAS
- L3 Skywatch/Skywatch HP
- Garmin GTX 330 TIS Transponder

Terrain Awareness
- Color-Contoured Terrain Base Map Built in
– Americas Terrain & US Obstacle Data
– International Terrain Data – Optional
- EGPWS/TAWS Interface – Optional
– Honeywell KMH880 IHAS
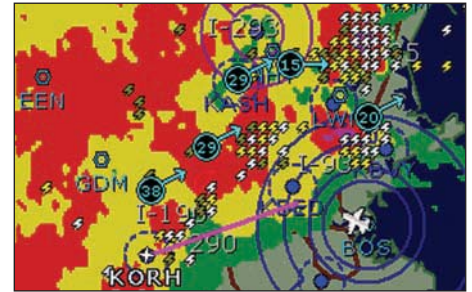– Honeywell KGP 560 G.A.

Lightning Sensor Interface
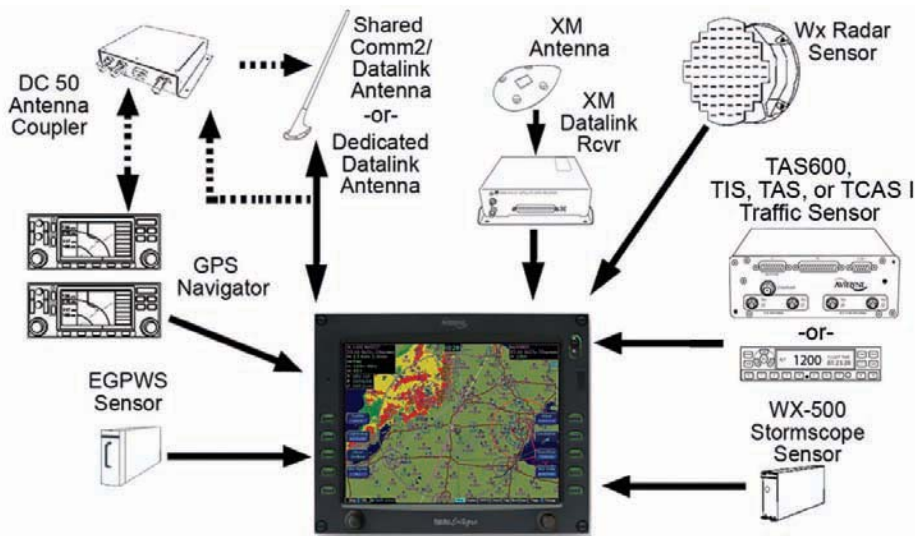- L3 WX 500 Stormscope

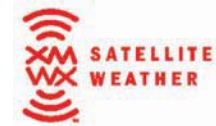**Heading Interface**
- ARINC 429

Radar Interface
- Bendix/King RDR2000/2100
- Bendix RDS81/82/82VP/84/84VP/86/86VP

The EX5000's MultiLink capability delivers NEXRAD, METAR, AIRMET/SIGMET, and TFRs in near-real time. In addition, you will also have access to datalinked Lightning, TAFs, Winds Aloft, Freezing Levels, NEXRAD Cell Movement, and Hail Alerts.

The FlightMax EX5000 presents navigation, radar, datalink weather, lightning, traffic, and terrain data in an easy-to-interpret format, dramatically improving situational awareness and enhancing safety through all phases of flight.

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