

FMZ-2000 Flight Management Systems



**Safety, efficiency and
proven performance.**

Honeywell

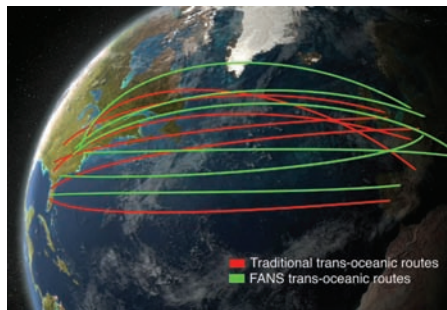
Honeywell created and set the standard of excellence in flight management for business and regional aircraft with the introduction of the first flight management system over 25 years ago. Today, Honeywell continues to raise the standard for navigation accuracy with the introduction of our newest software upgrade, FMS 6.1. This revolutionary software enables Future Air Navigation Systems (FANS), Wide Area Augmentation System–Localizer Performance with Vertical Guidance (WAAS–LPV) and Required Navigation Performance, Special Aircraft and Aircrew Authorization Required (RNP–SAAAR) capabilities.



RNP and RNP-SAAAR

Fly more precise approaches, receive more favorable routing and enjoy lower minimums.

- Better access to terrain challenged airports, and special use airspace
- Enables parallel runway, converging and adjacent airport operations
- Improved access to business airports in proximity to high traffic airports
- Lower minima resulting in fewer weather-related delays, and diversions
- Reduced flight time due to optimized routing
- Smaller environmental footprint due to reduced noise and fuel use
- Enables early, guided turns on missed approach
- More reliable, repeatable flight paths



FANS

Save fuel, add payload and reduce route times, and be ready to fly into the future.

- Reduced aircraft separation
- More efficient route changes
- Satellite datalink communication
- More direct routing
- Fewer departure delays
- No altitude loss when crossing tracks



WAAS-LPV

Increase your navigation accuracy, enjoy fewer flight planning and destination restrictions with a higher degree of safety throughout the Continental United States (and much of Alaska).

- Vertically-guided approaches to nearly all runways provides a higher degree of safety
 - The US has 5000 airports with at least one runway 3000 feet long
 - WAAS increases runway availability by enabling lower minimums (200 ft)
 - No cold weather altimeter correction limitation

Features that are world's above the rest.



FMZ-2000 FLIGHT MANAGEMENT SYSTEM

Full mission coupled VNAV—Takeoff, cruise, descent.

- Vertical guidance to multiple three-dimensional waypoints
- Allows altitudes to be entered for climb, cruise and descent
- EFIS-compatible displays provide graphic image of vertical profile

SmartPerf™ – Learned Performance Management

- Integrates aircraft performance data and learns aircraft-specific characteristics
 - Time, fuel and predicted altitude
 - Time, fuel and distance
 - Speed targets for long-range cruise
 - Optimum cruise altitude
 - Time and distance to step climb
 - Stored or active flight plan predictions
 - Equal time point
 - Point of no return
 - Single engine performance data



Display of Curved Paths

- Holding patterns
- Procedure turns
- DME arcs

Takeoff and Landing Software (TOLD)

- Computes takeoff and landing performance data for reduced pilot workload:
 - Vspeeds
 - Field length requirements
 - Obstacle clearance and engine/aircraft limits



CD-820 FLAT PANEL CONTROL DISPLAY

Employs full color active matrix liquid crystal displays (AMLCD) for wide angle and crystal clear viewing even in bright sunlight.

CD-820 Features:

- Full graphics and video capability
- Graphic weather
- Shortcuts to video, graphics and CNS/ATM
- BACK button functions similar to internet browser functionality
- FN key adds new “soft key” feature such as UNDO
- Infrared port for data upload and download
- Seven function keys provide access to most frequently needed functions
- NAV and PERF keys provide menu access
- Dedicated Direct-TO (DIR) key
- Full page scrolling

Worldwide Navigation

Honeywell's 16-megabyte worldwide navigation database provides the most accurate and up-to-date navigation information. The FMS database is comprised of a navigation database and a customer, or pilot-defined database. Through Honeywell's navigation database subscription service, the database contains:

- Navaids
- Airports
- Runways
- SIDs
- STARs
- Approaches
- Named intersections
- Outer markers
- High and low altitude airways

The pilot-define database allows:

- Customization of defined waypoints
- Storage of up to 3,000 company flight plans

The worldwide database is updated every 28 days. It allows downloading of custom databases and/or upload of PC-generated flight plans. Dataloading is also available through an Ethernet or USB memory device.

Data downloads at the speed of flight

The latest improvement in navigation database loading for corporate and regional aircraft is now available with Honeywell's DL-950 USB memory device*. Any operator with a Pentium-based Honeywell FMS can take advantage of greatly reduced downloads with greater accuracy and simplicity and there's no special jacks, cables or training required.

* USB memory device required

FMS Specifications

CD-820 Control Display Unit

Height: 7.125 in.

Width: 5.750 in.

Depth: 6.750 in.

Weight: 7.0 lbs.

Power: 72W/28VDC

NZ-2000 Stand Alone FMS

Height: 7.62 in.

Width: 2.42 in.

Depth: 12.25 in.

Weight: 7.9 lbs.

Power: 48W/28VDC

DL-950 Dataloader

Height: 2.25 in.

Width: 5.75 in.

Depth: 8.16 in.

Weight: 1.5 lbs.

Power: 28VDC

Worldwide Customer Support

Honeywell provides avionics support solutions worldwide, including repair and overhaul, spare parts and exchange pools, pre-owned equipment, technical support, integrated service programs, technical publications, and training for airlines, business aviation and general aviation. The total mix of Honeywell customer services is tailored to meet individual customer needs.

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