



PFMA E6B

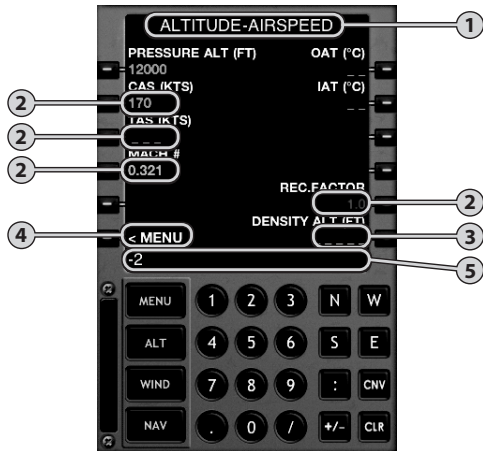
Pocket Flight Management Assistant

Version 1.0

PFMA E6B is a simple yet powerful E6B implementation for the iPhone and iPod Touch devices. Using a convenient and familiar user interface (intuitive for modern pilots), it delivers some of the most commonly used formulas and conversions that flying airplanes involves.

Main Interface	2
Keypad	3
System Messages/Annunciator	4
Editable Fields Validation	5

Main interface

**1- Page Title****2- Editable Field**

- Blank field. **---** (Light Blue)
- Field entered by user. **170** (Green)
- Calculated value. **0.321** (Light Blue)
- Default value or constant. **1.0** (Blue)

3- Non Editable Field

- Blank field. **---** (White)
- Calculated value. **12791** (White)

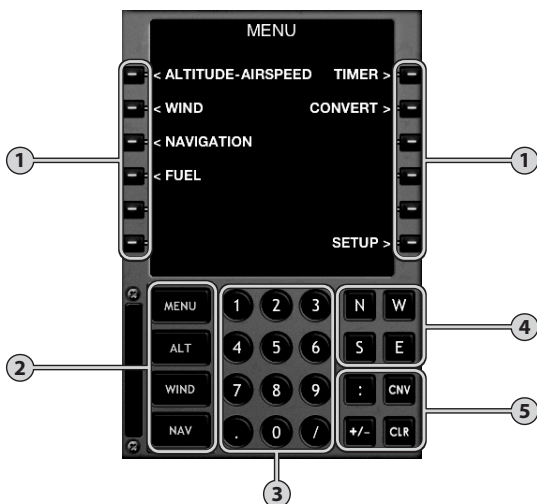
4- Page/Option Selector

- Navigate to specific page. **< MENU** (White)
- Cycles through options in the Setup pages. **< FEET** (Blue)

5- ScratchPad

Where you enter data using the keypad.

Keypad

**1- Line Selectors Keys (LSK)**

Pressing any of these keys has six possible effects.

- a) If data shown is a "Page selector" (ie. "< WIND"), the corresponding page will be displayed.
- b) If any value is already present in the ScratchPad, and an editable field is selected, the ScratchPad value, if valid (view "Editable Field Validation"), will be entered in that field.
- c) If "CLR" is displayed in the ScratchPad, and a value exist in an editable field, it will be erased. If the field has a "Default" value (indicated by blue font), the field reverts to the factory default value.
- d) If "CNV" is displayed in the ScratchPad, a CONVERT Page will be displayed for the field selected.
- e) If data is already present in a field, and the ScratchPad is empty, field value will be copied to the ScratchPad.
- f) If data shown is followed by a "*" character (ie. STOP BLOCK *), it will trigger the specified action.

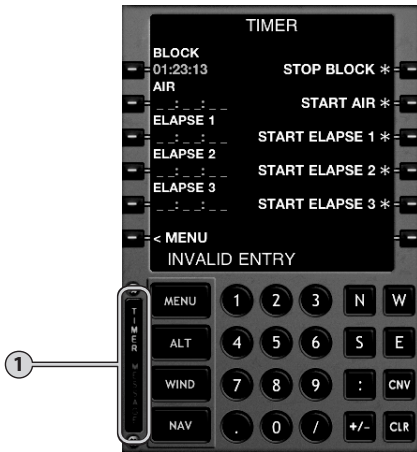
2- Configurable Shortcut Keys

Use these keys to fast access any of the configurable (Setup → Operation) pages.

3- Numeric Keypad**4- North, South, West, East Keys****5- Miscellaneous Keys**

- a) CNV: Enter CNV in the ScratchPad and select any data field to access the corresponding CONVERT Page.
- b) CLR: Erases digit by digit the ScratchPad. Press and hold more than 2 seconds to erase the entire content. If the ScratchPad is blank, it inserts CLR to the ScratchPad.
- c) "·:" Time and coordinates Hours-Minutes separator.
- d) "+/-" Sign symbol.

System Messages/Annunciator



1- Annunciator

- a) **TIMER** At least one timer is running.
- b) **MESSAGE** There is a System Message (shown in the ScratchPad) that needs user attention (ie. INVALID ENTRY)

Editable Fields Validation

When you enter data into an editable field, the value entered is validated for formatting and range consistency. If validation parameters are not fulfilled, an "INVALID ENTRY" message replaces the ScratchPad content.

Ranges

- a) Altitude: 1 – 70,000 feet
- b) Airspeed: 1 – 999 knots
- c) Mach: 0 – 0.999
- d) Temperature: -90 – 90 °C
- e) Heading/Course: 0 – 360
- f) Time: 0 – 99:59:59

Formatting

- a) Time
HH:MM:SS
HH:MM.S
HH.M
HH

b) Geographical Coordinates (LAT/LON)

- N(S)DD:MM:SS/W(E)DDD:MM:SS → ie. S33:23:24/W70:47:06
- N(S)DD:MM.S/W(E)DDD:MM.S → ie. S33:23.4/W70:47.1
- N(S)DD.M/W(E)DDD.M → ie. S33.4/W70.8

You can also enter Latitude or Longitude independently

- Entering latitude alone: N(S)DD:MM:SS (or any other format) → ie. S33:23:24
- Entering longitude alone: /W(E)DDD:MM:SS (or any other format) → ie. /W70:47.1