



DSSCalc

Flight Computer for Pocket PC®



- For Win CE 3.0 or later.
- Easy-to-use menus guide your problem inputs!
- Solves time/speed/distance, fuel, altitude/airspeed, wind, weight & balance, performance, conversions.
- Computations performed instantly as you enter problem data in any order!
- Ten memories store numbers or time values.
- Uses only 80 K of memory.
- On-line computation Help!

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For Technical Support

How to reach us:

You can e-mail us on the Internet at **support@deloach.com** for “same or next day” service (we check our mail every day).

For technical support by phone, call Darren evenings from 7:30 pm to 10:30 pm Central at **903-583-0982**.

Other Great Software Products from DS&S!

DSSTest FAA Written Exam Study for Windows
DSSCalc Flight Computer for Windows
DSSLog Pilot’s Logbook for Windows

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Overview

Welcome to DSSCalc for Pocket PC, the fast and easy way to do everyday aviation computations on your handheld computer! Using DSSCalc, you can quickly perform all of the usual preflight calculations quickly and accurately on your Pocket PC® handheld device.

DSSCalc works similar to a standard electronic flight computer. If you already own an electronic flight computer, you'll feel right at home with DSSCalc!

DSSCalc is actually two calculators in one: a standard "four-banger" calculator with +, -, *, / and % operators, and a menu-driven aviation computer with numerous aviation computations and conversions built-in.

This manual will give you all the information you need to get started performing aviation computations. After you have installed the software on your Pocket PC® device using ActiveSync®, you can get information specific to a computation dialog in the on-line Help.

Program Installation

Before Installing

Before you install DSSCalc, make sure your computer meets the following minimum PC requirements:

System Requirements

- An Windows 95/98/ME/NT/2K/XP computer running the Pocket PC® ActiveSync® software
- A Pocket PC® with Windows CE 3.0 or later handheld device
- 80K of free RAM in your handheld device

We welcome any comments you have on the installation and use of our software; future enhancements (and future pilots) depend on your feedback.

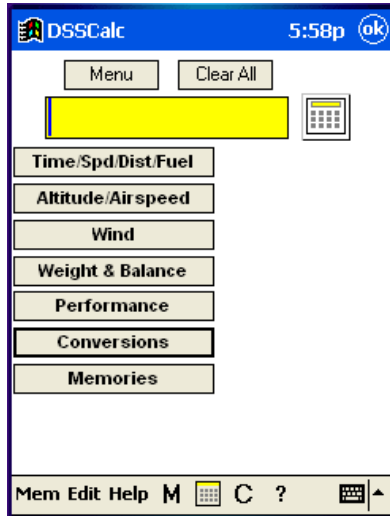
Setting Up DSSCalc

1. Place your Pocket PC in the cradle and let it connect to ActiveSync.
2. Run the self-extracting archive program DSSCalcPocketPC.EXE. Extract the files to a temporary directory (the default is C:\DSSCalcPPC).
3. After extracting, the installer will automatically launch the Windows CE Application Manager to install the program files.
4. Exit the App Manager tool.
5. You may want to use the Start|Settings|Menus utility to place DSSCalc on your Start menu. Otherwise, you will find it in the Start|Programs folder.

DSSCalc User Interface Basics

The DSSCalc Main Menu

The main menu consists of seven buttons that select general categories of aviation computations, plus several menu options. Tap one of the buttons to begin solving an aviation problem :



There are only three **Menu** items on the toolbar:

- **Mem** — Recalls any of the ten memories to the input window at the top of the dialog.
- **Edit** — Standard Windows Edit menu.
- **Help** — View the About dialog or the On-Line help.

The Computation Screens

The **Aviation Computation screens** have eight buttons arranged vertically on the left side, and each button has an associated input/computed value window on the right side. These buttons represent a “menu” to guide you through your computations; clicking a button will either select the described sub-menu, or copy the value in the yellow input text field at the top of the screen into the described problem input. Values that

are highlighted in blue are computed values.

For example, to solve an Enroute Time problem given a groundspeed of 125 knot and a distance of 235 NM, you would:

Menu		Clear All	
▲	<input type="text" value="125"/>	☰	
▼			
Groundspeed Kts		125.0	
Distance		235.0	
Enroute Time		1:52:48	
Fuel (gallons)			
Fuel Flow (gal/hr)			
Departure Time			
Arrival Time			
Fuel (pounds)			
Fuel Flow (lbs/hr)			

1. Enter 125 in the yellow text input field at the top, then click the “Groundspeed Kts” button.
2. Enter 235 in the text input field, then click the “Distance” button.
3. The computed time is automatically displayed beside the “Enroute Time” button highlighted in blue to indicate it is a calculated value.

The Calc and Main buttons display the associated Calculator and Main Menu dialogs. Some computations screens have more than the eight displayed values, such as the example above; in these cases, to the left of the input text box are two scroll arrows to scroll the values up or down. The hardware scroll buttons on your handheld device will also scroll the dialog.

Use the Menu button or the “M” on the toolbar to jump to the Main Menu screen. Tap “Clear All” or the “C” on the toolbar to erase all input and calculated values. You can also use the Mem menu option to recall any of the ten memory values

The Calculator Screen

Tap the Calculator button on the toolbar or to the right of the input box to display the Calculator.

0.				
Exit	°C>°F	°F>°C	nm>sm	sm>nm
:	7	8	9	/
RecI	4	5	6	X
Store	1	2	3	-
BkSp	0	.	+/-	+
				=

The **Calculator keys** are at the bottom, and work just like a regular hand-held calculator. Note that four conversion buttons “F>C”, “C>F”, “N>S” and “S>M” along the top give you instant one-click access to statute/ nautical mileage and fahrenheit/celsius temperature conversions without going through the aviation menus. The “**Store**” and “**RecI**” (Recall) buttons work on the ten independent memories

numbered “0” through “9”; you can save numbers or time values. The “BkSp” (BackSpace) button lets you delete the previously entered character. The “**Exit**” button will return you to the dialog you were on when you called up the Calculator. Finally, the “:” button lets you enter time values in standard “hh:mm:ss” format. Note that you can do simple time math, such as adding two time values together.

Sample Problem

Given: *Groundspeed* 150 knots
Distance to travel 350 miles
Fuel flow 9 gal/hr
Departure time 17:00:00Z
 Find arrival time and fuel used.

- From the Main Menu, select the "Time/Spd/Dist/Fuel" button.
- Enter **150** on the display, then click on the "Groundspeed Kts" button.
- Enter **350** on the display, then click on the "Distance" button.
- The time enroute is calculated, 2:20:00.
- Enter **9** on the display, then click on the "Fuel Flow (gal/hr)" button.
- Total fuel is calculated, 21.0 gallons or 126.0 pounds.
- Enter **17:00:00** on the display, then click on the "Departure Time" button.
- The arrival time is calculated, 19:20:00.

Menu Clear All	
<div style="display: flex; justify-content: space-between; align-items: center;"> ▲ ☰ </div>	
Groundspeed Kts	150.0
Distance	350.0
Enroute Time	2:20:00
Fuel (gallons)	21.0
Fuel Flow (gal/hr)	9.0
Departure Time	17:00:00
Arrival Time	19:20:00
Fuel (pounds)	126.0
Fuel Flow (lbs/hr)	54.0

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