

# Sporty's® E6B Reference Card

For your convenience, Sporty's E6B groups similar functions into menus. To operate, simply press the appropriate menu button and use the up/down arrows to highlight your desired function. Press enter and follow the prompts.

|                  | FUNCTION | INPUT                        | OUTPUT                |
|------------------|----------|------------------------------|-----------------------|
| HDG/GS & P-D ALT | HDG/GS   | W DIR<br>W SPD<br>CRS<br>TAS | GS<br>HDG<br>WCA      |
|                  | P-D/ALT  | IALT<br>BARO<br>T°C          | PALT<br>DALT          |
| SPEED            | GS       | DIST<br>TIME                 | GS                    |
|                  | PLAN TAS | PALT<br>T°C<br>CAS           | TAS<br>MACH #<br>DALT |
|                  | ACT TAS  | PALT<br>I°C<br>CAS           | TAS<br>MACH #<br>DALT |
|                  | PLAN M#  | T°C<br>MACH #                | TAS                   |
|                  | ACT M#   | I°C<br>MACH #                | TAS                   |
|                  |          |                              |                       |
| REQUIRED         | FUEL     | TIME<br>FPH                  | FUEL                  |
|                  | CLIMB    | MCLM<br>GS                   | MROC<br>%             |
|                  | DESCENT  | GS<br>IALT<br>CRALT<br>FXDIS | RQ/DN                 |
|                  | TAS      | W DIR<br>W SPD<br>CRS<br>GS  | TAS<br>HDG            |
|                  | CAS      | PALT<br>T°C<br>TAS           | CAS<br>MACH #<br>DALT |
|                  |          |                              |                       |

This calculator is authorized and acceptable for use during FAA written tests. By removing and reinstalling the batteries all memory is erased. Note: This also removes settings for the three clocks. References: FAA Advisory Circular 60-11 and FAA Order 8080.1 Conduct of Airmen Written Tests, April 10, 1989.

**Back light operation:**To activate back light, press **CONV** followed by To deactivate, press **CONV** followed by 

|                             | FUNCTION                                                                                                                                                                                                                                          | INPUT                      | OUTPUT                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------|
| WIND                        | WIND                                                                                                                                                                                                                                              | CRS<br>TAS<br>GS<br>HDG    | W DIR<br>W SPD               |
|                             | X/H-WIND                                                                                                                                                                                                                                          | W DIR<br>W SPD<br>RWY      | X-WIND<br>H-WIND             |
|                             | Note: Negative crosswind is from left.<br>Negative headwind is a headwind.                                                                                                                                                                        |                            |                              |
|                             | CLD BASE                                                                                                                                                                                                                                          | OAT°C<br>DEW°C             | CLOUD AGL                    |
| FLIGHT                      | DIST FLN                                                                                                                                                                                                                                          | GS<br>TIME                 | DIST                         |
|                             | TOP DSCN                                                                                                                                                                                                                                          | GS<br>IALT<br>DALT<br>RATE | T-DCN                        |
|                             | ENDUR                                                                                                                                                                                                                                             | FUEL<br>FPH                | TIME                         |
|                             | LEG TIME                                                                                                                                                                                                                                          | DIST<br>GS                 | TIME                         |
|                             | SPCRANGE                                                                                                                                                                                                                                          | FUEL<br>GS<br>FPH          | SPCRNG                       |
|                             | FPH                                                                                                                                                                                                                                               | FUEL<br>TIME               | FPH                          |
| WEIGHT & BALANCE ( WT/BAL ) | WT/ARM                                                                                                                                                                                                                                            | WT<br>ARM<br>RF            | MOM<br>CG<br>GW              |
|                             | Note: The E6B will retain and display cumulative totals for center of gravity, gross weight and moment. This allows you to continue keying in values for passengers, baggage, etc. to determine final gross weight, moment and center of gravity. |                            |                              |
|                             | WT/MOM                                                                                                                                                                                                                                            | WT<br>MOM<br>RF            | MOM (cumulative)<br>CG<br>GW |
|                             | Note: See above. Reduction Factor (RF) has a default value of 100.                                                                                                                                                                                |                            |                              |
|                             | % MAC                                                                                                                                                                                                                                             | LEMAC<br>CG<br>MAC         | % MAC                        |