

Calibrated Airspeed (CAS) is **Indicated Airspeed (IAS)** corrected for angle of attack and instrument error. CAS & IAS are nearly equal at Cruise Speeds.

True Air Speed (TAS) is CAS corrected for nonstandard Altitude and Temperature.

For the same CAS, TAS increases as Altitude and Temperature increase.

As Density Altitude (D-ALT) increases, TAS increases.

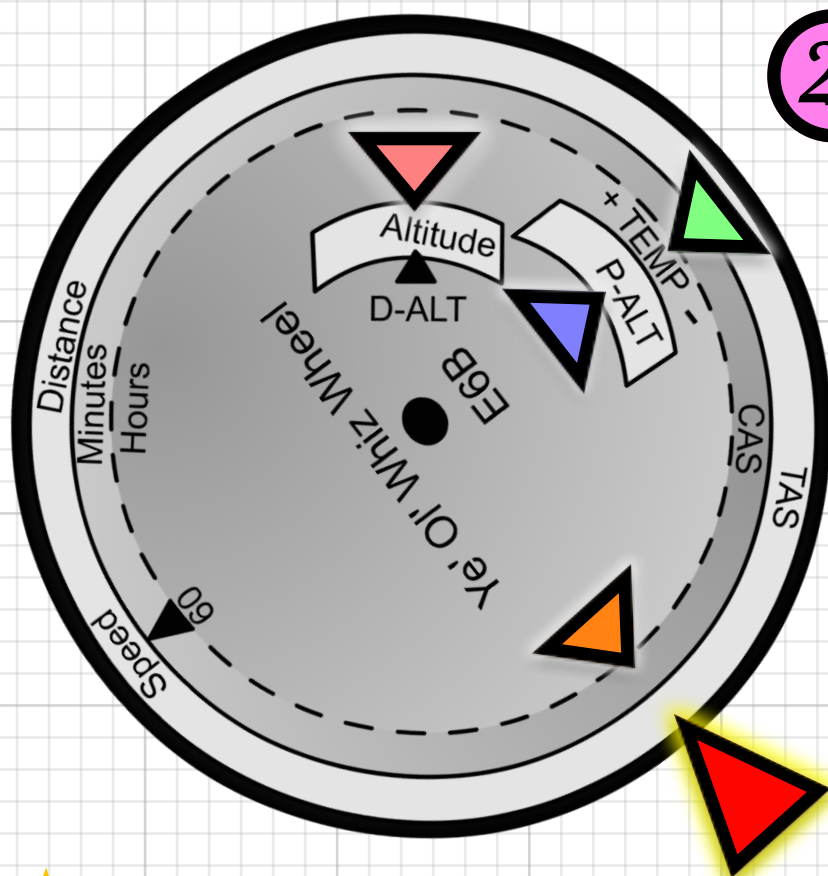
Approximate TAS by adding 2% of the CAS for every 1000 ft of D-ALT.

How fast am I Truly going?

What is my Density Altitude (D-Alt)?

What is my Calibrated Air Speed (CAS)?

1. Set **Temperature** opposite **P-Alt** or set **D-Alt** in D-Alt window.



2. Read **TAS** over **CAS**

If CAS is unavailable, substitute your Indicated Air Speed (IAS).

On the E6-B, "20" can represent 20, 2, 200, 0.2... Etc.

Temperature at altitude can be determined by:

1. Reading directly from the temperature gauge during flight.
2. Estimating by using known surface or forecast temperatures aloft and the temperature lapse rate of 2 deg C/ 1000 ft.

To determine what Speed You Need for a planned TAS, set D-Alt, Read CAS under Planned TAS