

- AN A/C MAINTAINING A CONSTANT CAS AND ALTITUDE IS FLYING FROM A COLD AIR MASS INTO WARMER AIR. THE EFFECT OF THE CHANGE OF TEMPERATURE ON THE SPEED INC BE- TAS WILL INC (**LOW DENSITY HIGHER TAS**).
- THE AIRSPEED INDICATOR IS CALIBRATED TO CONDITION OF THE INTERNATIONAL STANDARD ATMOSPHERE AT MSL.
- DYNAMIC PRESSURE- $\frac{1}{2} \rho V^2$.
- EXCLUDING BLOCKAGE THE FULL LIST OF ERRORS OF ASI – (**B L I P D C**)-FROM THE TRICK-INSTUMENT ERROR, POSITION ERROR, DENSITY ERROR, COMPRESSIBILITY ERROR, MANOEUVRE INDUCED ERROR.
- SOME ASI HAVE COLOR CODE AND LINES MARKED ON THEM DIALS, A YELLOW ARC AND WHITE ARC INDICATE- CAUTIONARY RANGE AND FLAP OPERATING SPEED RANGE.
- WHAT WILL BE THE TAS IF CRUISING ALTITUDE 39,000FT AND CAS200 KTS – **SOLVE FROM CX2 CALCULATOR.**- ANS---380.
- IF THE STATIC LINE TO THE ASI BECOMES BLOCKED DURING A CLIMB,THE ASI READING WILL- PROGRESSIVLY UNDER READ THE VALUE OF AIR SPEED.-(**SUC**)FROM TRICK.

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