

Airspeed Indicator Guide

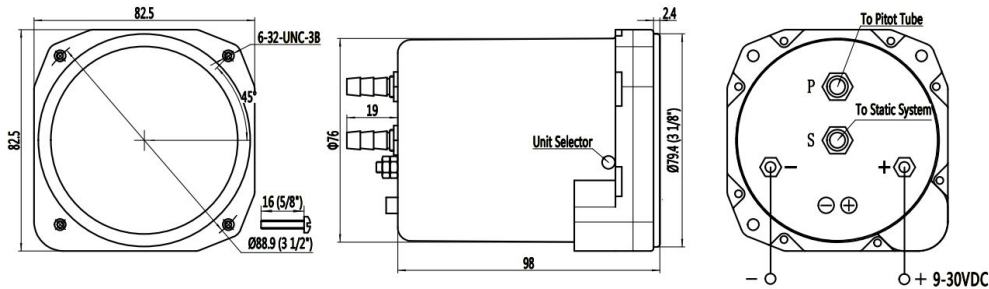


Fig. 1 Airspeed indicator scale drawing

Specifications :

- Operational Temperature: -20°C~50°C
- Operational Voltage: 9~30 VDC
- Operational Current: $\leq 0.2A$
- Airspeed Indicator Standards: HB7826
- Weight: $\leq 380g$
- Measures: 80/100/120/140/160/180/200/220/240/260/300/400 (depends on specific models)
- Airspeed units: KPH/MPH/KNOTS (adjustable except for customised colour marked version)

Setting Instructions :

Calibrating the air speed sensing system

A small-print scale showing any correction factors can be found below the airspeed scale (Fig. 2 Left). If a constant error is observed in the air speed sensing system, hold down and at the back of the indicator (Fig. 2 Right) for 3 seconds to enter correction factor setting where current correction factor stored can be reviewed (default factor set by manufacturer is $1\pm 0\%$). Press / once to increase/decrease correction factor by 1%; the pointer move to the adjacent marker. The maximum adjustment of correction factor is $\pm 30\%$, i.e. the correction factor ranges from 0.7 to 1.3. The indicator enters working mode automatically if there is no input from either button for 6 seconds.

Changing airspeed units

It is recommended to switch airspeed units before the airspeed indicator is connected to the panel. The default unit set by the manufacturer is MPH,

- To change to KPH, flip up the sticker covered over the unit-changing hole in the left of the indicator front face (Fig.2 Middle), insert a screwdriver/stick into the hole to push the bar inside the indicator towards right until a complete 'KPH' can be seen in the window (Fig.2 Top). Reapply the sticker cover after changes are made.
- To change to KNOTS, flip up the sticker covered over the unit-changing hole in the right of the indicator front face, insert a screwdriver/stick into the hole to push the bar inside the indicator towards the left until a complete 'KNOTS' can be seen in the window (Fig.2 Bottom). Reapply the sticker cover after changes are made.

Resetting the Airspeed Indicator

If the airspeed indicator does not read 0 when the actual airspeed is 0, wait till one minute after the indicator is power on and the pointer is stable, hold down for 6 seconds to reset the pointer to 0. Please note that while calibrating, the pressures at the 'P' and 'S' openings (Fig.2 Right) must be equal. It is recommended to connect the two openings with a tube.