

FALCON GAUGE PITOT TUBE
Installation instructions
Model(s) 12-AN5812, 24-2N5812

FALCON GAUGE Pitot tube is designed and constructed with the newest technology and materials. It is superior to the old type of Pitot tube, which uses porcelain as a heating media. Falcon Gauge Pitot tube offers better heat insulation, shorter heating time and less weight.

1. **The package includes:** 1 pitot tube, 1 connector with wires, 4 screws for connecting pitot tube and mounting bracket

2. **Specifications:** Power supply 12VDC or 24VDC

Power consumption: not more than 100W

3. **Operation Instructions:** To heat up the pitot, switch the power supply on for 5 minutes before take off. Be sure to switch “off” the power after landing to avoid unnecessary battery drain. To reconnect the power, wait until it cools down. No maintenance is required except for cleaning the electrical connector contacts and the drain hole periodically.

4. **Installation Instructions:**

- The pitot tube is installed underneath the wing and connects to the “P” port on the back of airspeed. (See Fig 1)
- When tightening the Pitot tube coupling, care should be taken to make sure it will not be twisted or over tightened.
- Mounting bracket is optional depending on the airplane. For ways of mounting on an airplane refer to Fig. 2.
- Make sure there is no obstruction of air coming into the tube and that the drainage provision is at the lowest point.
- To check if the Pitot tube is airtight: apply pressure 13.3K Pa (100mmHg) to the system. Airflow should not be less than 10L/min.
- Inspect positive and negative lines and make sure the connector is connected properly.

5. **Care and Inspection:**

- All screws: make sure to tighten them before every flight.
- The Pitot tube is in working condition (it is heating up) before every flight.
- Check and clean the Pitot tube coupling and make sure it is airtight every 25-100 hours.
- Check the drainage hole every 25 to 100 hours for blockage
- Remove Pitot tube cover before every flight.

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