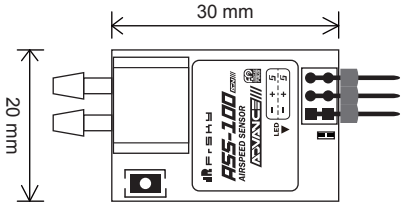
Introduction

Thank you for purchasing FrSky Smart Port AirSpeed Sensor ASS-100 ADV. It is designed for FrSky SmartPort enabled system, and can provide AirSpeed data for your entire flight. In order to fully enjoy the benefit of it, please read the instruction manual carefully and set up the device as described below.

Note: All instructions, warranties and other collateral documents are subject to change at the sole discretion of FrSky Electronic Co., Ltd. For further information, please visit www.frsky-rc.com and click the support tab for this product.

Overview



Specifications

- Operational Voltage: DC 4 -10 V
- Current consumption: 10mA@5V
- Measure airspeed range: 0~360km/h (0~223.7mile/h)
- Circuit Board: Weight 4.9g, dimensions 33.14*17.14*10.45mm (L*W*H)
- Pitot Tube: Weight 4.4g, length 101mm, diameter 2.6 mm
- Pitot Tube Hose: Clear silicon tubing, 3 feet (1 meter), 2mm ID, 4mm OD
- Compatibility: FrSky Smart Port enabled receivers, such as X8R, X6R, X4R, etc.

Set up

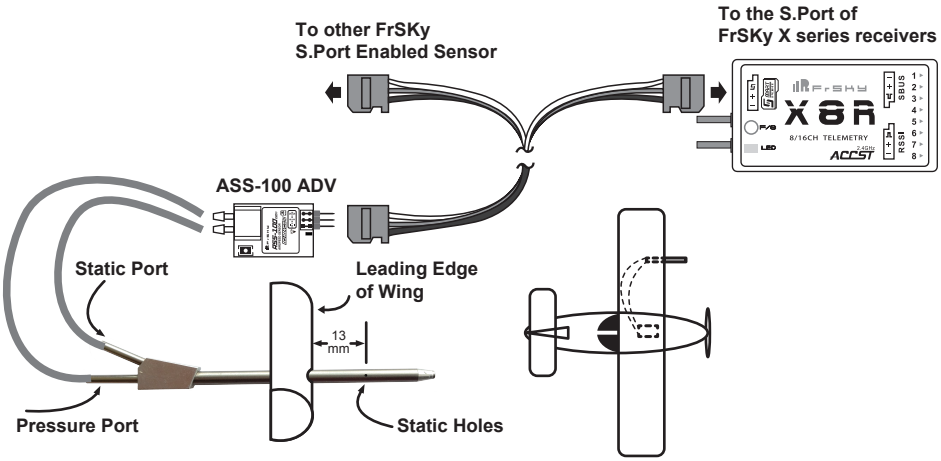
Following the steps to finish the setting procedures:

1. Assembled pitot tube with the circuit board into an AirSpeed Sensor, as shown in figure.
   Notice: Avoid any loose tubing.

2. The static holes on the pitot tube (As Figure) should extend at least 13mm past the wing's leading edge, or past any other obstructions - the farther out, the better. This is ensure the static holes and pitot pickup are in undisturbed air.

3. For planes, it's important that the tube should be placed properly so that it is not directly in the plane's prop-wash, which will result in erroneous readings. The best place to install the tube is on the leading edge of the wing several inches out from the fuselage, as shown in Figure.

4. Connect the sensor to receiver Smart Port.



***Install FrSky Smart Port AirSpeed Sensor ASS-100 ADV on any appropriate surface of the airframe that stays away from water, vibration, or fuel.**

ID Set up

Each type of FrSky Smart Port enabled sensor has its unique physical ID. The default physical ID for this sensor is 09. The ID number could be changed by FreeLink.

***All FrSky Smart Port enabled sensors could daisy chain with each other through their Smart Port.**

LED Status

LED Status	S.Port	FBUS
Flash quickly	NO	YES
Flash Slowly	YES	NO

FrSky is continuously adding features and improvements to our products. To get the most from your product, please check the download section of the FrSky website www.frsky-rc.com for the latest update firmware and manuals.

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