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# **Pitot Hardware Manual**

*Release 1.0*

**Embention**

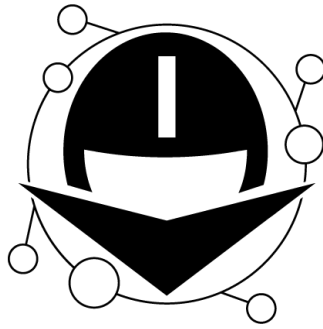
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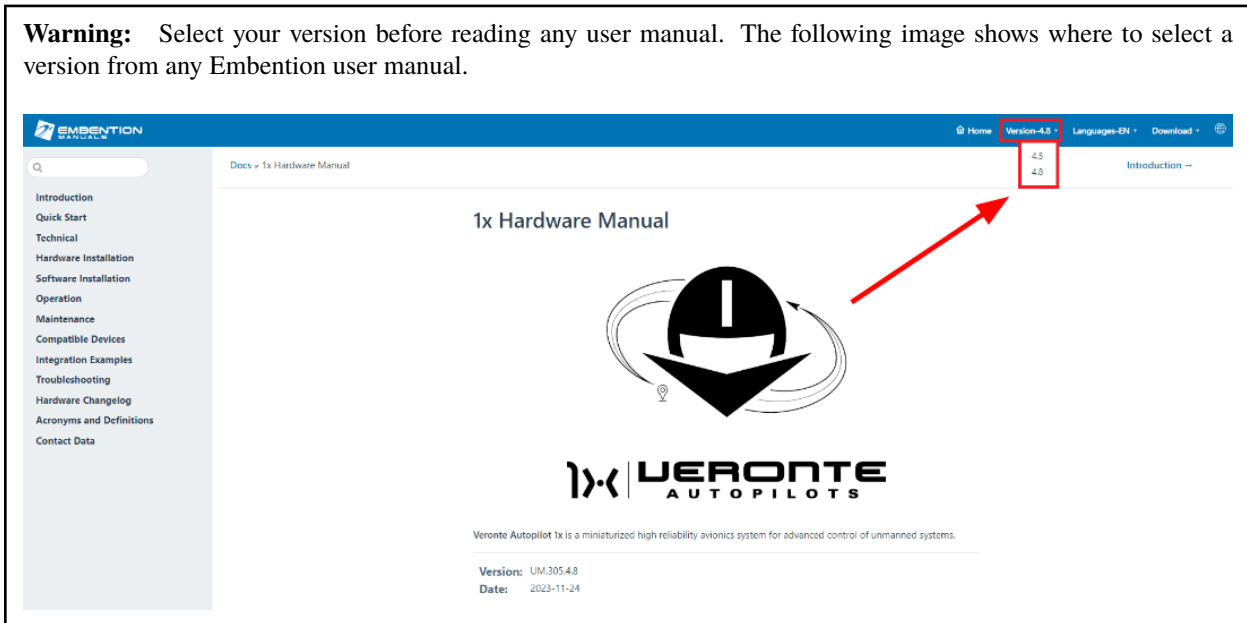




**PITOT | VERONTE**  
A V I O N I C S

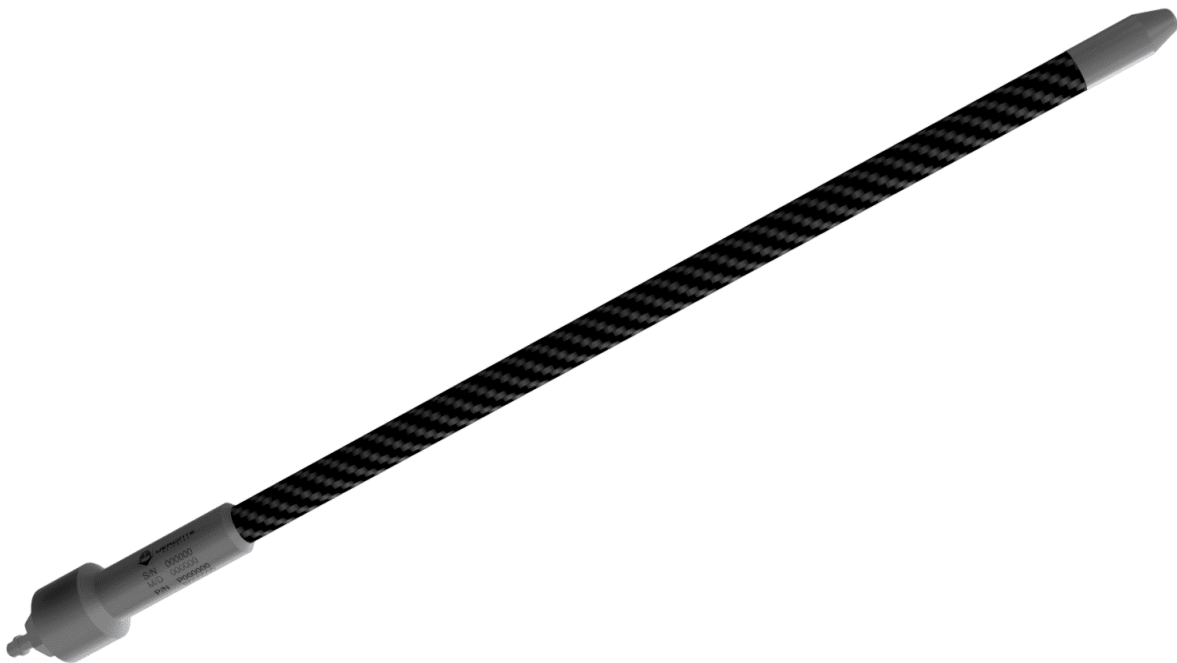
**Pitot Probe** is a straight pitot probe for air speed measurement.

**Warning:** Select your version before reading any user manual. The following image shows where to select a version from any Embention user manual.





## INTRODUCTION



**Fig. 1: Pitot Probe**

Straight pitot probe for air speed measurement in any kind of aircraft.





## 2.1 Part List

This product includes the following devices:



Fig. 1: Pitot parts

1. **Fitting part:** This part shall be installed in the inner side of the fuselage. Epoxy can be used to fix it or any other alternative mechanical fixation method. In the rear side it has a fitting to connect to the dynamic pressure input of the Veronte Autopilot 1x. This connection shall be done using a 2mm inner diameter polyurethane tube or a silicone tube.
2. **External Part:** This part is placed outside of the aircraft. It takes the air speed measurement and can be assembled before operation or disassembled after operation by unscrewing it.

These 2 parts are connected with metric M5 thread. Users can use M5 dust caps to protect them between operations.

## 2.2 Mechanical Specifications

Specification	Value
Weight	13 g
Length	160 mm
Inner diameter of the tube joining the fitting	2 mm
Outputs	Dynamic Pressure

### 2.2.1 Dimensions

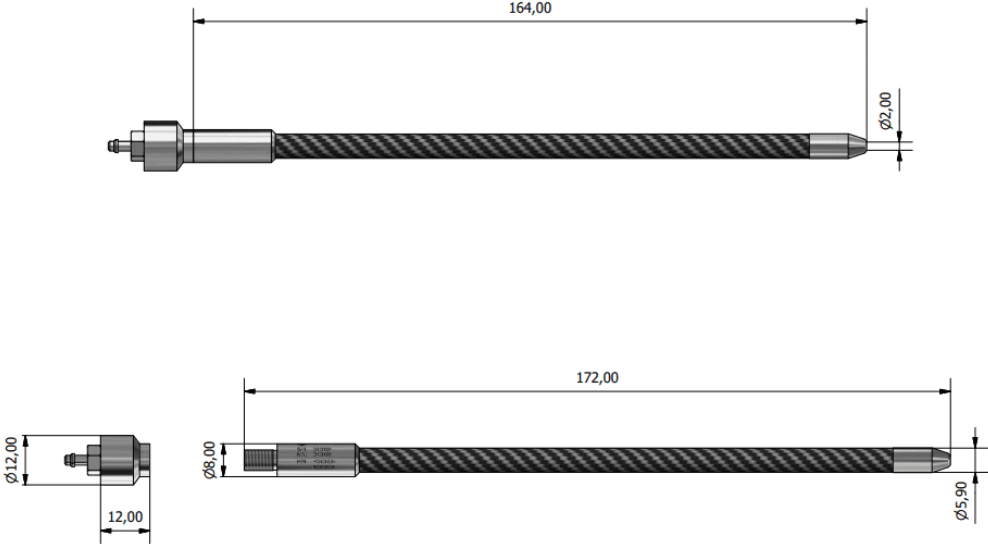


Fig. 2: Pitot dimensions (mm)

### 2.2.2 Location

It is recommended to locate the pitot in a region of undisturbed airflow, usually on the wing or front section of the aircraft (nose).

## CONTACT DATA

You can contact Embention if you need further help and support.

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