

Swiss Air Data System

Simtec Buergel AG



PSS-8 Pitot-Static Mount

The PSS-8 pitot-static mount provides static and total pressure in a single probe. The system is optimized for smaller UAV applications. It is light, rigid and durable.



The mount features Simtec's PSS-8 probe on a strong and light carbon fiber tube. The probe is made of strong aircraft grade aluminum for maximum rigidity. The static ports are drilled into the aluminum part of the probe for highest precision and quality. The mount can be attached on the UAV using two or four M4 screws. To keep the pressure lag of the system to a minimum and balanced between total (Pt) and static pressure (Ps) the internal volume of the system is kept as low as possible.

Specification

Parameter	Value
Mass	0.045 kg (200 mm) 0.050 kg (300 mm) 0.055 kg (400 mm)
Length	200 mm, 300 mm, 400 mm or custom length
Pressure Nipples	Ø 2mm Total Pressure (Pt) and Static Pressure (Ps)
Operating Temperature	-55°C to + 85°C
Mounting	Two or four M4 screws
Overpressure	Do not apply overpressure above 1'500 hPa abs. for leakage testing

Part Numbers

SIM-EB9-112 / 200mm
SIM-EB9-112 / 300mm
SIM-EB9-112 / 400mm
Other lengths on request.

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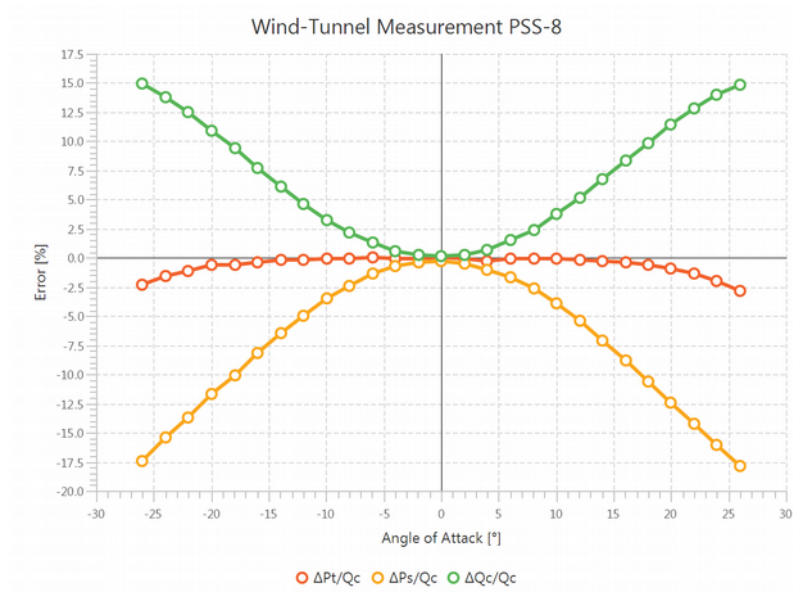
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Aerodynamic Properties

The probe has been designed and extensively tested in the wind-tunnel to get the best performance even at very high angle of attack and side-slip. The probe is designed to have minimal probe errors if placed in straight airstream.



Dimensions

