

Product info: S-Pitot-Tube

S-Pitot in accordance to ISO 10780: 1994 (E). Pitot-tube with calibration factor $\sim 0,84$. Each S-Pitot-tube is controlled in a flow test-system. If required a calibration-certificate can deliver - ISO 10780: 1994 (E).

To calculate the velocity use following formula:

$$v = K \cdot \sqrt{\frac{200p}{d}}$$

K: calibration factor; p: difference pressure mbar; d: density

The S-Pitot has an outer-tube for protection. If required a thermocouple can be installed inside the protection tube (NiCr-Ni).

Advantages:

- big opening for the total pressure \varnothing 4 mm
- small leg (for openings: > 30 mm) **special small leg possible: 10 mm, ask for details**

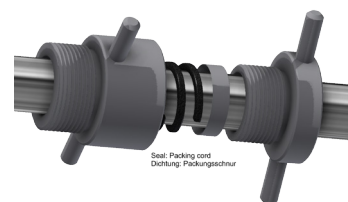
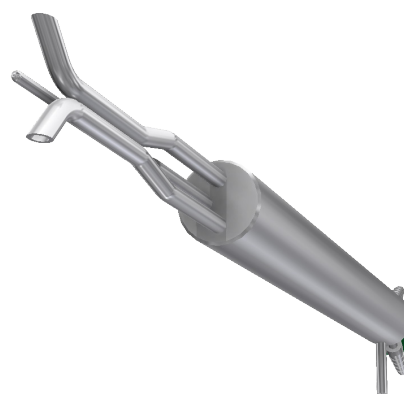
Disadvantage:

- static pressure can't be detected during the measurement, to do this, the pitot tube must be turned 90° .

Special editions with short legs are possible. Available leg length (d/D): 30 mm, 25 mm, 20 mm, 15 mm, 10 mm.

30 mm S-Pitot-tube in accordance ISO 10780: 1994 (E)

Length [mm] L	Protection tube D	Material 1.4541: T _{max} 500°C 1.4841: T _{max} 1000°C Titanium: T _{max} 400°C	Art.-No.	with exchangeable Thermocouple NiCr-Ni type K Art.-No.
500	30 x 2 mm	1.4541	52.1-A-05	52.1-A-05-t
		1.4841	52.1-C-05	52.1-C-05-t
		Titan	52.1-T-05	52.1-T-05-t
1000	30 x 2 mm	1.4541	52.1-A-10	52.1-A-10-t
		1.4841	52.1-C-10	52.1-C-10-t
		Titan	52.1-T-10	52.1-T-10-t
1500	30 x 2 mm	1.4541	52.1-A-15	52.1-A-15-t
		1.4841	52.1-C-15	52.1-C-15-t
		Titan	52.1-T-15	52.1-T-15-t
2000	30 x 2 mm	1.4541	52.1-A-20	52.1-A-20-t
		1.4841	52.1-C-20	52.1-C-20-t
		Titan	52.1-T-20	52.1-T-20-t
2500	30 x 2 mm	1.4541	52.1-A-25	52.1-A-25-t
		1.4841	52.1-C-25	52.1-C-25-t
		Titan	52.1-T-25	52.1-T-25-t
3000	30 x 2 mm	1.4541	52.1-A-30	52.1-A-30-t
		1.4841	52.1-C-30	52.1-C-30-t
		Titan	52.1-T-30	52.1-T-30-t
3500	30 x 2 mm	1.4541	52.1-A-35	52.1-A-35-t
		1.4841	52.1-C-35	52.1-C-35-t
		Titan	52.1-T-35	52.1-T-35-t
4000	30 x 2 mm	1.4541	52.1-A-40	52.1-A-40-t
		1.4841	52.1-C-40	52.1-C-40-t
		Titan	52.1-T-40	52.1-T-40-t



Holder for G 1 1/2

