PAUL GOTHE BOCHUM



PAUL GOTHE – GmbH

Manufacturer of Emissions Control Technology

Product info Z: Cylindrical-Pitot-Tube (according to VDEh)

This cylindrical pitot-tube is suitable for measurements in tube-systems with small openings.

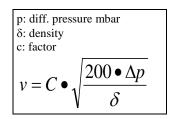
This pitot-tube has a factor of c = 0.79 ... 0.83 (see calibration certificate). The velocity can calculated with a simple formula.

Advantage:	fits through openings with Ø 15 mm.
Disadvantage:	Sensitively when contorting over an axis vertically to the direction of the flow. In small tube-diameters (< 100 mm) faulty-measurement through tube-wall-effects. An influence of the gas flow on the factor cannot be excluded. Accuracy below 5% only with corresponding factor at the corresponding flow velocity.

The static pressure is grasped at the top. The total-pressure (dynamic + static pressure) is grasped at a hole against the flow direction. The difference pressure can be measured with all manual gauges or digital difference-pressure-measuring instruments.

Cylindrical Pitot Tube:

nominal length [mm]	Ø-outer [mm]	ArtNo.	available material *1 A = 1.4541: T _{max} 500°C C = 1.4841: T _{max} 1000°C
1000	15	53.15-3-	-A / -C
2000	20	53.20-5-	-A / -C



*1 material: stainless steel: 1.4541 up to 500 °C, material: stainless steel: 1.4841 up to 1000° C,

Exit of the pressure tube: hose-olive for hoses with inner-Ø 6 up to 10 mm tube 10 x 1 smooth.

Other lengths can be manufactured on inquiry.

