

Multi-hole Probes with Standard Geometries

Conventional multi-hole-probes are available in 4 different geometries:

Straight, L-shaped, Cobra and Drilled elbow.



Details

Multi-hole probes are easy to install in your test set-up and enable the simultaneous measurement of pressure, velocity and the angle of attack for a flow. Vectoflow probes are available in standard geometries such as straight, L-shaped, cobra or custom geometries as well. The probe lengths, tip diameters and tip geometry can be adapted to your requirements. The one-piece design makes them very robust. We also offer probe [calibration](#) and software. We would be pleased to assist you with the selection of the most appropriate standard geometry for your application.

Specifications

Straight, L-shaped, Cobra or Drilled Elbow	
Number of pressure holes	3, 5, or 7
Max. length	Max. 250 mm (10 in.), for other lengths see " Custom multi-hole probes "
Tip diameter min.	1.2 mm (standard 3 mm)
Tip geometry	Conical, hemi-spherical
Material	Stainless steel, titanium, inconel, plastics
Mounting method	Square, hexagonal, flattened cylinder
Connections	Standard 1.04 mm (0.040 in.) pressure tubes with bulge
Reference	Reference surface normal to z-axis
Temperature range	Up to 600°C (1100°F)
Angular measurement range	± 70° (depending on number of holes)
Angular measurement accuracy	less than ± 1°
Velocity measurement range	3 m/s (10 ft/s) up to Mach 2
Velocity measurement accuracy	less than ± 1 m/s
Max. frequency resolution	Up to 50 Hz (depending on probe geometry, frequency calibration possible)

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