HM 161.50
Pitotstatic tube

The illustration shows a similar pitotstatic tube mounted onto an instrument carrier

Description

■ **determination of discharge velocity using a pitotstatic tube**

The pitotstatic tube HM 161.50 is used to measure the flow velocity in the experimental flume HM 161. It measures the static pressure and the total pressure at any point of the flow. The pressure difference corresponds to the dynamic pressure, from which the flow velocity can be calculated. The differential pressure display indicates the dynamic pressure.

The pitotstatic tube can be moved vertically. A scale indicates the corresponding vertical position of the measurement.

HM 161.50 is mounted on the moveable instrument carrier HM 161.59 so it can be used along the length and width of the experimental section.

Specification

[1] determination of discharge velocity in the experimental flume HM 161
[2] determination of velocity via differential pressure
[3] holder with vertical scale to indicate the position of the pitotstatic tube
[4] hoses connect the pitotstatic tube and the battery operated differential pressure display
[5] used together with HM 161.59

Technical data

Scale
- 0...820mm
- graduation: 1mm

Measuring ranges
- differential pressure: 0...140mbar, resolution: 0,1mbar

LxWxH: 300x300x1500mm
Weight: approx. 6kg

Scope of delivery

1 pitotstatic tube
1 set of accessories
1 manual

HM 161.50
Pitotstatic tube

Required accessories

HM 161	Experimental flume 600x800mm
HM 161.59	Instrument carrier