HM 163.50
Pitotstatic tube

The illustration shows HM 163.50 together with the instrument carrier HM 163.59

Description

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

The pitotstatic tube HM 163.50 is used to measure the flow velocity in the experimental flume HM 163. 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 163.50 is mounted on the moveable instrument carrier HM 163.59 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 163
[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 163.59

Technical data

Scale
- 0...500mm
- graduation: 1mm

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

LxWxH: ca. 300x300x1000mm
Weight: approx. 5kg

Scope of delivery

1 pitotstatic tube
1 set of accessories
1 manual

HM 163.50
Pitotstatic tube

Required accessories

HM 163	Experimental flume 409x500mm
HM 163.59	Instrument carrier