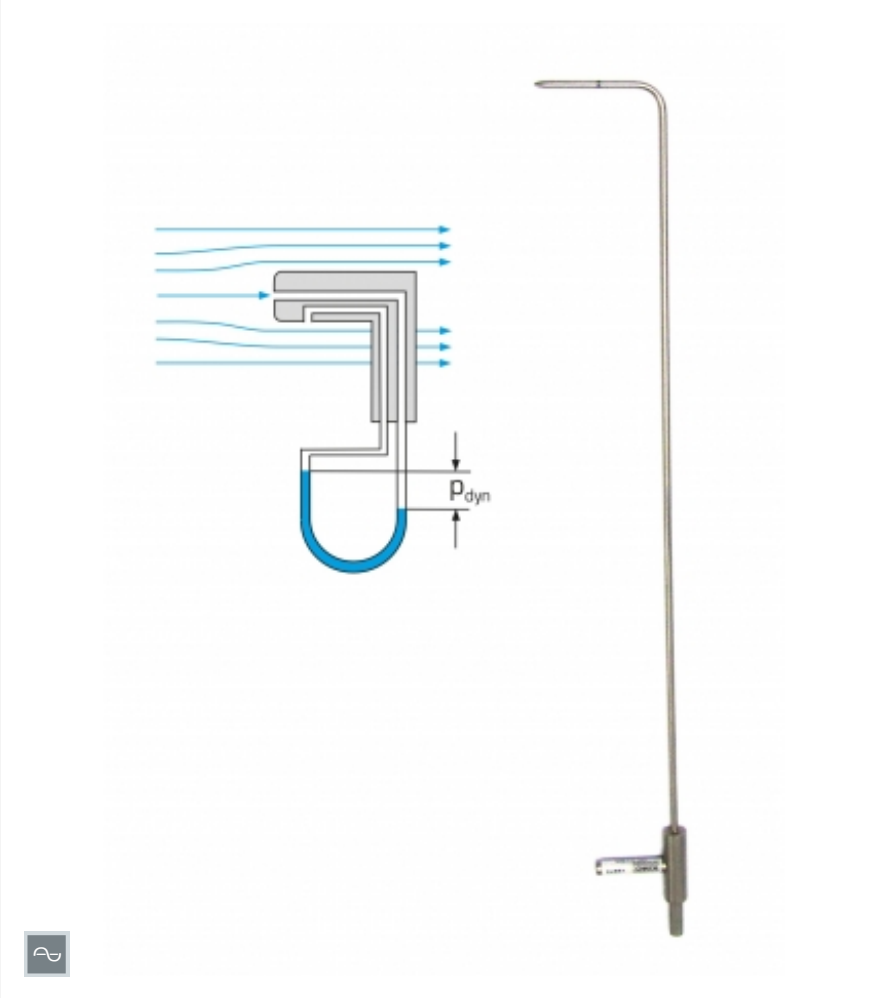
HM 170.33
Pitotstatic tube



Learning objectives/experiments

- measurement of the total pressure in a fluid flow
- measurement of the static pressure component
- determination of the dynamic pressure component

Specification

[1] Pitotstatic tube for measuring pressure in a fluid flow
[2] nickel-plated Pitotstatic tube
[3] the following units can be used for pressure indication: inclined tube manometer included in HM 170, differential pressure manometer HM 170.53, electronic pressure measurement HM 170.55 or system for data acquisition HM 170.60

Technical data

Pitotstatic tube
- effective length: 250mm
- diameter: Ø=3mm

Diameter 3mm, effective length 250mm
Weight: approx. 0,3kg

Scope of delivery

1 Pitotstatic tube

Description

- **device for measuring the dynamic pressure component, the static pressure component and for determining the total pressure in a fluid flow**

The Pitotstatic tube provides the difference between the total pressure in a flow and the static pressure as a measured value. The tube is connected to a differential pressure gauge that indicates the dynamic pressure, this is a measure of the velocity of the flow.

To indicate the pressure, the following units are optionally available: inclined tube manometer included in HM 170, differential pressure manometer HM 170.53, electronic pressure measurement HM 170.55 or system for data acquisition HM 170.60.

HM 170.33
Pitotstatic tube

Optional accessories

070.17050	HM 170.50	16 Tube Manometers, 600mm
070.17055	HM 170.55	Electronic Pressure Measurement, 18x 0...500Pa
070.17053	HM 170.53	Differential pressure manometer
070.17060	HM 170.60	System for data acquisition