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HM 220 Air flow experimental plant

Order code: **5201.07022000**



Information about product price on demand

Parameters

Quantitative unit

ks

GUNT HM 220

Air Flow Experimental Plant is designed for experiments related to steady incompressible flow.

It features a horizontal measuring section with a radial fan that is infinitely variable via a frequency converter.

The unit includes a Pitot tube in the free jet, which is 3-dimensional adjustable, and a Pitot tube within the pipe section, vertically adjustable at 3 positions.

A variety of measuring objects, including orifice plate, nozzle, iris diaphragm, and pipe fittings, are available for comprehensive testing.

16 tube manometers are provided to display the pressures.

Technical Data & Specifications

- **External Pitot Tube in the Free Jet:**
 - Horizontal: ± 140 mm
 - Vertical: $-80 \dots 120$ mm
 - Inner \varnothing : 2mm
- **Internal Pitot Tube (Sliding):**
 - Vertical: ± 40 mm
 - Inner \varnothing : 1.1mm
- **Pressure Measuring Points:** 20
- **Radial Fan:**
 - Max. motor power: 550W
 - Max. flow rate: 22m³/min
 - Max. differential pressure: 0.73kPa
- **Tube Manometers:**
 - Resolution: 1-fold, 2-fold, 5-fold, and 10-fold
 - Max. resolution: 1Pa
- **Measuring Objects:**
 - Iris diaphragm: $\varnothing 40 \dots 75$ mm
 - Orifice plate/nozzle: $\varnothing 50$ mm
 - 3 pipe fittings

Power Supply

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase
- UL/CSA optional

Dimensions & Weight

- **LxWxH:** 3270x790x1130mm
- **Weight:** ~232kg