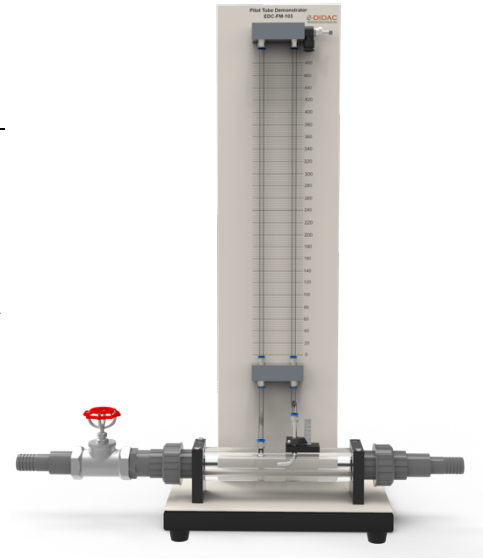


Pitot Tube Demonstrator Apparatus (EDC-FM-103)

EXPERIMENTAL DATA:

- Operation of Pitot tube and water manometer
- Velocity flow profile in a pipe
- Demonstration that the fluid velocity is proportional to the square root of the head difference between the total head and the static head
- Display of pressure difference on manometer.



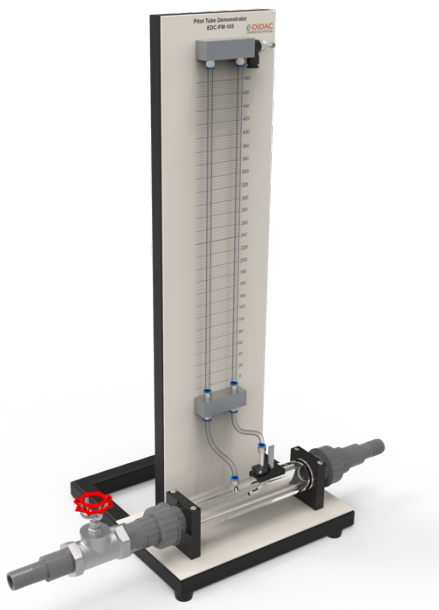
DESCRIPTION:

This attachment consists of an acrylic pipe with a pitot tube installed in the middle. Water manometer installed right above the pitot tube measures the pressure differential.

A gate valve is installed to observe the change in flowrate of water running through the system.

TECHNICAL DATA:

- Water Manometer Height: 500mm
- Acrylic tube to facilitate visualization
- Gate Valve to control the flow



RELATED LAWS:

- Fluid Mechanics
- Fluid Velocity
- Static and Dynamic Pressure

SCOPE OF DELIVERY:

- 1 x EDC-FM-103
- 1 x Instructional Manual

DIMENSIONS AND WEIGHT:

L x W x H (mm): 350 x 330 x 650

Weight: 12 kg