SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Pitot Tube | FluidoSurge-X 144

Category: Fluid Mechanics · **Country of Origin:** India

Product Overview

The Pitot Tube is designed for measurement of total, static, and dynamic pressure in fluid flow. It enables determination of flow velocity and velocity profile in pipe flow experiments. Made by Scientico India, ISO 9001:2015 certified, and supplied with a calibration certificate and operation manual.

View this product online: https://scienticoindia.com/product/pitot-tube-fluidosurge-x-144/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Parameter	Specification
Model	FluidoSurge-X 144
Type	Pitot Tube Apparatus
Application	Velocity and Pressure Measurement
Effective Length	25 mm
Bend Radius	5 mm
Small Limb Length	47 mm
Pipe Section Material	Transparent acrylic
Pressure Measurement	Manometer
Connectivity	Hose coupling
Operation Requirement	Hydraulic bench or laboratory water supply

Key Features

Key Features-

- Measurement of total, static, and dynamic pressure in fluid flow
- Pitot static tube with positioning scale for accurate alignment
- Transparent acrylic pipe section for flow visualization

- Manometer for direct pressure reading
- Suitable for velocity profile determination in pipe flow
- Compatible with hydraulic bench based experiments

Applications-

- Measurement of flow velocity using Pitot tube method
- Study of static and dynamic pressure in fluid flow
- Determination of velocity profile in pipe flow
- Fluid mechanics and hydraulics laboratory experiments
- Engineering education and training laboratories

Construction & Design Details-

The Pitot tube is manufactured with precise dimensions to ensure reliable pressure measurement. A transparent acrylic pipe section allows visual confirmation of tube positioning within the flow. The manometer connection enables accurate reading of pressure differences. Hose couplings provide secure and flexible integration with laboratory water circuits or hydraulic benches.

Export & Supply Capability-

SCIENTICO manufactures the Pitot Tube FluidoSurge-X 144 for domestic and international supply. The unit is suitable for export to engineering colleges, universities, and technical training laboratories. Standard packing, hose connections, and documentation are included with each supply.

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q1. What does the Pitot tube measure?
It measures total pressure in a fluid flow, which is used to calculate flow velocity.

Q2. How is velocity determined using this apparatus?
Velocity is calculated from the pressure difference measured by the Pitot tube and manometer.

Q3. Can this apparatus be used to study velocity profiles?
Yes, it is suitable for determining velocity distribution within a pipe flow.

Q4. What material is used for the pipe section?
The pipe section is made of transparent acrylic for clear observation.

Q5. What water supply is required for operation?
The apparatus operates with a hydraulic bench using a closed water circuit or a laboratory water connection.

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