

Product Name :
Bernoulli Theorem Demonstration**Product Code :**
ALABS-A104-534ALTEC™**Description :****Bernoulli Theorem Demonstration**

- Venturi section machined from clear acrylic
- Seven static pressure tapings plus a total head measurement
- Flow control valve
- Manometer board with eight tubes
- Quick release fitting for easy connection to hydraulics bench
- Educational software available as an option

Description:

The test section consists of a classical Venturi machined in clear acrylic. A series of wall tapings enable measurement of the static pressure distribution along the converging duct, while a total head tube is provided to traverse along the centre line of the test section.

These tapings are connected to a manometer bank incorporating a manifold with air bleed valve. Pressurisation of the manometers is facilitated by a hand pump.

The test section is arranged so that the characteristics of flow through both a converging and diverging section can be studied. Water is fed through a hose connector and is controlled by a flow regulator valve at the outlet of the test section. The Venturi can be demonstrated as a means of flow measurement and the discharge coefficient can be determined.

Technical Details:

Value

Manometer range:

Number of manometer tubes:

Throat diameter:

Downstream diameter:

Upstream taper:

Downstream taper:



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