

Product Name :
Flow Meter Demonstration

Product Code :
ALABS-A43-056

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Description :

Flow Meter Demonstration

- Venturi meter, variable area meter and orifice plate with control valve
- Pressure tapplings to measure head loss from each meter
- Supplied with manometer board with eight tubes
- Quick release fitting for easy connection to hydraulics bench
- Educational Software available as an option

Description:

- The equipment consists of a Venturi meter, variable area meter and orifice plate, installed in a series configuration to permit direct comparison. A flow control valve permits variation of the flow rate through the circuit.
- Pressure tapplings are incorporated so that the head loss characteristics of each flow meter may be measured.

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

- The circuit and manometer are attached to a support framework which stands on the working top of the Hydraulics Bench. The bench is used as the source of water supply and for calibrating volumetrically each flow meter.

Technical Details:

Value

Manometer range:

Number of manometer tubes:

Orifice plate diameter:

Orifice diameter:

Orifice diameter: 5mm

-Upstream pipe diameter: 31.75mm

-Upstream taper: 21° inclusive

-Downstream taper: 14° inclusive



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