

Product Name :
Fluid Friction Measurement**Product Code :**
ALABS-A104-550**Description :****Fluid Friction Measurement**

A unit for the detailed study of fluid friction head losses which occur when an incompressible fluid flows through pipes, fittings and flow metering devices.

- A substantial floor standing tubular steel frame supports test circuits comprising:
 - 4 smooth-bore pipes of different diameters ranging from 4.5mm I.D. to 17.2mm I.D.
 - artificially roughened pipe
 - 90° bends (large & small radii)
 - 90° elbow
 - 90° mitre
 - 45° elbow, 45° Y, 90° T
 - sudden enlargement

- sudden contraction
 - gate valve
 - globe valve
 - ball valve
 - inline strainer
 - perspex Venturi
 - perspex orifice meter
 - perspex pipe section with a Pitot tube & static tapping
 - 38 tapping points
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- Suitable for studying Reynolds' numbers from 103 to nearly 105
 - A system of isolating valves, quick release manometer connection valves and self-sealing pressure tapplings ensure fast accurate results
 - Data logging accessory available
 - Computer aided learning program available
 - A user instruction manual provides installation, commissioning and maintenance data, together with student exercises.



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