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Product Name :	**Product Code :**
Bend Meter	DM415

Description :

Bend Meter

Technical Specification :

Bend Meter
The present set-up is designed to study a bend meter and to calculate fluid discharge through it. By determining the co-efficient of discharge of this bend meter it can be used as a flow meter and can be installed in a fluid line. The apparatus consists of a pipe line in which a bend meter is installed. The pressure tapings from the bend meter is taken to differential pressure manometer to measure pressure difference.
Present set-up is self-contained water re-circulating unit, provided with a sump tank, centrifugal pump etc. Water is pumped by means of centrifugal pump and passing through the test section, it returns back to the sump which make the system re-circulating type. Flow of water is diverted either to measuring tank or sump tank with the means of a flow diverter, when needed.
Flow control valve and by-pass valve are fitted in water line to conduct the experiment on different flow rates. Flow rate of water is measured with the help of measuring tank with piezometer and stopwatch. The supplied set-up is complete in all respect. Only water supply and electricity supply is to be provided by the end user for running the set-up.

Technical Details:
Bend meter: Material Stainless steel Compatible to 1â€• Dia. Pipe.
Water Circulation: Â½ HP Pump, Crompton/Standard make.
Flow Measurement: Using Measuring Tank with piezometer Capacity 25 Ltrs.
Sump Tank: Capacity 50 Ltrs.
Stop Watch: Electronic

Pressure measurement: By Pressurized differential pressure manometer
Control Panel Comprises of:
Standard make On/Off Switch, Mains Indicator, etc.
Tanks will be made of Stainless Steel.
An English instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.
The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.

Experimentation/Learning Objectives:
To demonstrate the use of Bend meter as flow meter.
To determine co-efficient of discharge for given Bend meter.

Utilities Required
Electricity supply: Single Phase, 220 V AC, 50 Hz, 5-15 Amp.
Combined socket with earth connection.
Earth voltage is less than 5 volts.
Water Supply (Initial Fill).
Floor Drain required.
Floor Area required: 1.5 m x 0.75 m

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