

ROTAMETER TEST RIG (EE-1529)

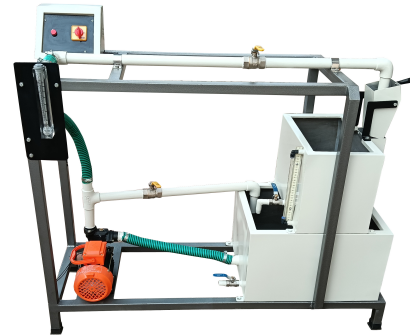
The Set up consists of one Pipe line to which one acrylic Rotameter is connected. Control Valves Are Fitted In The Water Line To Regulate Flow of Water In The Section. It Should Be Self – Contained Water Re- Circulating Unit Provided With A Sump Tank And A Centrifugal Pump Etc. Flow Control Valve And By-Pass Valve Are Fitted In Water Line to Conduct the Experiment at Different Flow Rates. Flow Rate of Water Is Measured With the Help of Measuring Tank and Stop Watch.

SCOPE OF EXPERIMENTATIONS:

- To Study about the Rotameter.
- To calibrate the Rotameter.

UTILITIES REQUIRED:

- Water Supply.
- Drain
- Electricity 220V AC, Single Phase.
- Space required: 2 x 1 m.



TECHNICAL SPECIFICATIONS:

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| ▪ Rotameter | : | Material Acrylic.(Make Star flow/Eureka) |
| ▪ Water Circulation | : | FHP (Crompton / Standard Make) |
| ▪ Flow Measurement | : | Using Measuring Tank with piezometer
Measuring Tank S.S (25 liter Capacity Approx) |
| ▪ Sump Tank | : | Capacity 50 liter Approx,made S.S |
| ▪ Stop Watch | : | Electronic |
| ▪ Control panel | : | Standard make On/Off switch, Mains Indicator etc |

The whole set-up is well designed and arranged on a good quality painted structure.