

Product Name :
Coriolis Component of Acceleration

Product Code :
NMCBS11135



Description :

Coriolis Component of Acceleration Our prominence in this domain expertise has helped us come up with Coriolis Component of Acceleration. This entire set up is designed to study various corioli's components of a slider crank mechanism. In this process the continuous stream of water which is flowing through a steady rotating pair of tubes replaces mechanical slider system. The tubes of the system can be easily rotated in various speeds with the usage of a swinging field motor which also serves a dynamometer. There is a Perspex window located on the top of the tank. This window assures complete clear view of the process. It also prevents the splashing of water over the side of the tank. The in-built dynamometer continuously measures the torque which is applied to the various rotating tubes. This entire equipment is self-contained. The re-circulating of the water is assisted with a own speed control unit and water circulating pump which is separate. Scope Of Experimentations: To determine Coriolis's Component of Acceleration at various speeds of rotation and water flow rates Utilities Required: Electricity 0.5 kW, 220 V, Single Phase Drain Water Supply Technical Details: Swinging field type, variable speed Pump FHP The whole set-up is well designed and arranged in a good quality painted structure Fabricated out of stainless steel Rotating arms 9mm/6mm orifice diameter, length 300 mm Rotameter 250 to 2500 LPH Electric motor Main tank Control Panel comprises of: Speed control unit Standard make On/Off switch, mains indicator RPM indicator with proximity sensor RPM measurement Coriolis Component of Acceleration, Heat And Refrigeration System Exporters, Heat And Refrigeration System Manufacturers

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