Corioli's Component Of Acceleration Apparatus

Product Categories: Engineering Equipment, Theory Of Machine Lab
Product Page: https://www.labappara.com/product/coriolis-component-acceleration-apparatus/

Product Description

Corioli's Component Of Acceleration Apparatus
The set-up is designed to study Corioli's Component of Acceleration of a slider crank mechanism. Here the mechanical slider system is replaced by a continuous stream of water flowing through a steady rotating pair of tubes. These tubes can be rotated at various speeds by using a swinging field motor which also acts as dynamo-meter. A Perspex window on top of the tank gives clear view of the process and prevents splash of the water over the side of the tank. The dynamo-meter continuously measures torque applied to the rotating tubes. The equipment is self contained, water re-circulating, provided with its own speed control unit and water circulating pump.
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
9 mm/6 mm orifice diameter, length 300 mm
Rotameter
250 to 2500 LPH
Electric motor
Main tank