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Product Name :	**Product Code :**
Module For Centrifugal Pump Characteristics	LBNY-0005-10300066

Description :

Pumps in a pipe system are used to convert mechanical energy into hydraulic energy this additional energy allows a fluid to move when it is not possible by gravity and for example, to raise a fluid at a certain height above the pump or make it recycle in a closed system. The working principle of a centrifugal pump is based on the fluid inlet in the middle of the impeller, which blades conduct the fluid and thanks to the centrifugal force it is driven outward. In general, the main purpose of a pump in a system is to increase the total energy H. At this point, the fluid is collected and contained by the pump casing which, thanks to its shape, drives the fluid to the outlet pipes or to another impelling stage.
Module For Centrifugal Pump Characteristics is made through a frequency inverter which adjusts the working speed according to each case of study. Module For Centrifugal Pump Characteristics equipment allows the study of the characteristics of a pump working individually at different rotational speeds. These curves can be compared with those supplied by the manufacturer, as well as those obtained by mathematical calculation. The flow measurements are made using volumetric hydraulic of the hydraulic bank (required), that is used also to study the relation between pressure loss and the fluid speed. In addition, the flow control valve manages the pump operating mode in order to obtain experimental operating curves.

Technical Specification :

Module For Centrifugal Pump Characteristics

Laboratory Instrument India