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Product Name :
Mass Oscillations And Hammer Study Unit

Product Code :
LBNY-0005-16000020



www.laboratoryinstrumentindia.com

Description :

The Mass Oscillations And Hammer Study Unit is provided with a constant level container connected to the water supply by means of a pipe.
In the hydraulic systems the flow variations produce two phenomena: the mass oscillation and the water hammer which are related each other but have different characteristics.
For the water hammer test, the unit is provided with a quick closing valve with manual control in order to obtain an immediate flow interruption.
The oscillation test section is made of stainless steel 3 m long provided with the valves necessary for the flow control and with two pressure measurement devices, the electric signal of which is sent to a double trace memory oscilloscope which allows to examine, in all the phases, the phenomena of mass oscillation.
The Mass Oscillations And Hammer Study Unit is available in two different solutions:
Hydraulic supply from mains
Hydraulic supply from provided with additional tank.

Experiments:

Determination of the transient pressure curve of a water hammer by means of an oscilloscope
Demonstration of the losses in the reservoir and in the balance tank
Water hammer demonstration
Mass oscillation demonstration
Visualization of oscillation characteristics in the balance pipe.

Technical Specification :

Required services:

Electric supply: 220 V, 50Hz ; 1 kW.
Weight and dimensions:
Dimensions: 3000 x 730 x 2500 h mm
Net weight: 70 kg.



Laboratory Instrument India