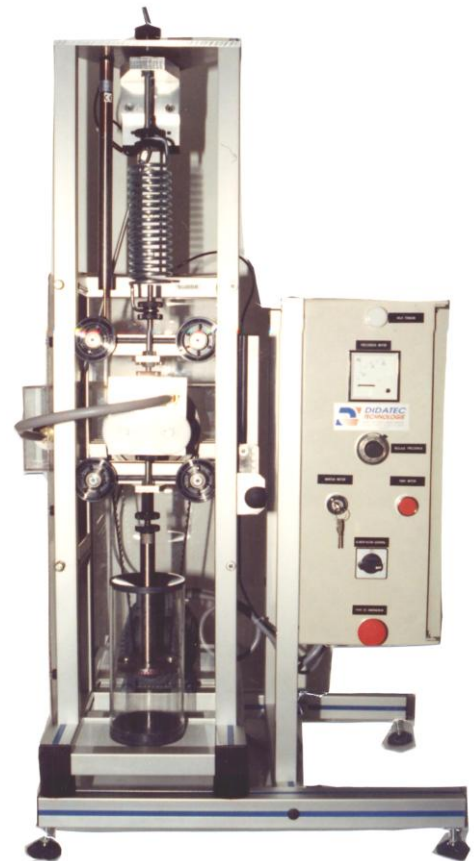


Natural and forced Vibrations unit

DESCRIPTION

- The unit is delivered complete with instrumentation including technical and instruction manuals.
- Designed and manufactured to industrial standards.
- Quick and easy to adjust.
- This unit is intended for various levels and fields of study.
- Parts are protected by transparent caps.
- Frequency range is 0 to 10 Hz.



SUGGESTED APPLICATIONS

- Study of a simple mass/spring system
- Study of a mass/spring/shock absorber system
- Determination of the damping factor
- Study of a mass/spring/shock absorber system subjected to an internal periodic force
- Study of a mass/spring/shock absorber system with periodic shifting of the upper point of attachment
- Determination of the phase relationship
- Use of a processing investigation software

■ FRAME

- Rigid anodised aluminium structure housing the carriage control
- Suspended trolley guided by four rollers

■ ACCESSORIES

- Three springs with different spring constants
- A feeder carriage
- Removable and adjustable transparent damping
- Set of five masses

■ INSTRUMENTATION

- Software that functions as : Oscilloscope, recorder, spreadsheet.
- Amplitude sensor LVDT
- A multi-revolution-phase potentiometer
- A frequency control

■ OPTION (NOT INCLUDED)

- 1 computer – PC type

UTILITIES

Electricity : 230 VAC – single phase

DIMENSIONS

Length	:	625 mm
Width	:	520 mm
Height	:	1200 mm
Weight	:	52 kg