FADAK LAB EQUIPMENTS

SOM-013 SPRING TESTING MACHINE

DESCRIPTION : The spring testing machine has two uprights fixed to a rigid base and three cross heads. The upper and lower cross heads are rigidly attached to the uprights while the middle one is made to move on finely finished gunmetal bearings over the uprights. To the middle cross head is attached the loading cradle where tire weights for loading the spring during the test are placed. The spring for tension test is held on hooks between the upper and middle cross heads while that for compression test is placed on collar between the middle and lower cross heads .Clutch mechanisms are provided to help holding the middle cross heads for fixing the spring

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RANGE OF EXPERIMENTS :

1. To determine the modulus of rigidity (Shear modulus) of the material of the spring.

TECHNICAL DESCRIPTION :

The unit consists of,

Microprocessor based unit

Quick and accurate measurement

Maximum capacity : 20 Kg

Width between columns : 160 mm

Maximum cross head travel : 160 mm

Force measuring resolution 0.01 Kg.

SERVICE REQUIRED : Power Supply : 230v , Single Phase , 50 hz
Foundation As Per Drawing

SPACE REQUIRED : 1.5 m. (L) x 1.0 m (W) X 1.7 m (H).

WEIGHT : @ 70 Kg

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