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Product Name :
Experimental Module Slip Stick & Friction Vibration
Apparatus

Product Code :
LBNY-0005-10100043



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Description :

The cord is coupled to force measuring devices with a strain gauge via a tension spring. The unit is used in conjunction with the basic module for the experiments, cylindrical weights are placed on a horizontally rotating stainless steel disc. Using this experimental module, static friction and sliding friction, and the related friction vibrations and slip-stick effects can be clearly demonstrated. This is prevented from turning by a cord. An open container surrounds the friction disc. Different lubricants can be placed in this beaker.

Technical Specification :

Benchtop exp. module for investigating static friction and sliding friction, and slip-stick effects
Operation in conjunction with module
Friction force measuring range 0...50N
Stainless steel friction ring, D=60/80mm
Weight loading on the ring 0...40N
Adjustable operating speed
Friction force measurement using full bridge strain gauge

Technical Data:

Friction ring, stainless steel
Pulley, stainless steel, diameter 60mm
Inside diameter: 60mm
Outside diameter: 80mm
Load measuring range: 0...50N

Operating speed: 0...0.73m/s
Dimensions and Weight:
Apparatus
l x w x h: 350 x 100 x 185 mm
Weight: approx. 7 kg.



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