

Slip & Creep Measurement Apparatus



Product Categories: [Engineering Equipment](#), [Theory Of Machine Lab](#)

Product Page: <https://www.labappara.com/product/slip-creep-measurement-apparatus/>

Product Description

Slip & Creep Measurement Apparatus

Description:

This apparatus is useful for measurement of power transmitted for various input power conditions with varied belt tension. Belt slip or creep also can be measured. The apparatus consists of a variable speed motor, driving pulley and driven pulley of equal diameters. The pulleys are mounted on input shaft (motor shaft) and output shaft. The driven pulley can slide on the base only with bearing block to change the initial tension in belt. Brake drum is mounted on the output shaft, which helps to measure power output. The motor speed is varied by variable speed drive. A double channel digital speed indicator indicates driving and driven pulley speeds. With the help of Stroboscope (optional) it is possible to demonstrate the slip of belt on driving and driven pulley.

Technical Details:-

1. Pulleys: - Driving and driven pulleys of equal diameters (flat pulleys)
2. Loading Arrangement: - Brake drum along with spring balance and rope arrangement is provided to load the system
3. Belts: - Flat belts of fixed length of following belt material like Fabric Belt, Canvas Belt, Leather Belt
4. Belt tightening arrangement: - Bearing block is sliding and dead weight can be applied to set the initial tension in belt
5. Speed Indicator:- 2 Channel digital speed indicator with switch to change the channel