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Product Name :
Universal Drive Module Apparatus

Product Code :
LBNY-0005-14000020



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Description :

The floating motor is free to rotate and with a moment arm, rests against a load cell. Attached to the motor shaft is a coupling. The engineering drawing for the coupling mating half is supplied for the customer to produce. Universal Drive Module Apparatus consists of a sturdy cradle, with bearings at either end. The motor is speed controlled using the control box supplied. The signal from the load cell is also fed directly into the control box. The torque being applied to the attached apparatus can be calculated using these parameters. The front panel of the control box has the speed control potentiometer, tachometer display for motor speed and the force display for the load cell signal. Suspended between the bearings is a motor, which gives drive to a variety of customer designed apparatus.

Experimental Capabilities:

Calculations involving torque, moment, speed and power
Introduction to drive system.

Technical Specification :

AC Motor
Tachometer display to 1rpm
500N load cell
Force display to 0.1N
Speed controller to upwards of 2800rpm.



Laboratory Instrument India