

## Speed Measurement of Motor Using of Moving Tachometer

### Features

loop motor speed control with eddy current brake disk for speed measurement  
unit for Motor in a see through cabinet  
for speed and voltage display  
wave generator  
signal conditioning  
linear, stable and accurate



Note Shown image is just for illustration original may differ

### Experiment

of loading on the speed of the Motor in the open loop (Eddy Current Brake)  
of loading on the speed of the Motor in the closed loop  
control of a DC Motor using variable gain error amplifier using PC interface  
control of a DC Motor  
control of a DC Motor using variable gain error amplifier  
state error variation with forward gain  
Characteristics of tachometer with PC interface

### Specification

Motor - 12V DC  
sensing - IR Sensor  
Voltmeter -  $\pm 10V$   
Tacho Generator - 0-2400 RPM  
wave generator - 500 Hz  
Points - 6 nos.  
Supply - 110 / 230V  $\pm 10\%$ , 50/60Hz