

Product Name :
UNIVERSAL GOVERNOR APPARATUS

Product Code :
Theory of Machine0007



Description :

UNIVERSAL GOVERNOR APPARATUS

Technical Specification :

The unit consists of a main spindle driven by variable speed motor. Spindle can be fitted with four different governor assemblies. A scale with pointer is provided. We can calculate each characteristics of each governor at different speed and compare the performance.

SPECIFICATION

- Drive unit - D.C. motor 0 - 1500 R.P. M.
- Watt, porter, Hartnell and Proell Governor.

RANGE OF EXPERIMENTS

- Watt, porter, Hartnell and Proell Governor.
- Determination of characteristics and comparison with theoretically predicate controlling force curves.

Porter and Proell Governors:-

- The effect of varying the mass of the centre sleeve.

Proell Governors:-

- The effects of varying the rotating mass.

Hartnell Governor:-

- The effects of varying the following parameter.

Initial spring compression.

SERVICE REQUIRED

- Single Phase 15amp Electrical Connection.
- Suitable bench area for mounting the instruments.

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