

# Products for...



## AC Pick off Assemblies

Pick off assemblies give an AC output signal the magnitude of which varies with the angle of rotation. The input and output signals are through a single phase winding. These assemblies can be housed or non-housed to suit requirements.

Extreme care is taken during manufacture of the pick off and matching ensures that the highest degree of accuracy in width, roundness and concentricity is achieved.

The unit shown was designed to monitor the degrees/second output from a rate gyroscope.



## Rotor Assemblies

Rotor Assemblies used in conjunction with pick offs are accurately ground to size to ensure the correct air gap between the rotor and pick off. The rotor assembly is generally mounted in the housing by means of precision bearings.

## Solenoid Assemblies

Centronic produce a number of solenoids for actuator assemblies. These actuators are manufactured as class 1 assemblies used for various aerospace applications.

## Torquers

These are linear motors which can be produced in segment form, as shown, or circular format.



## Synchros

These are used to transmit angular data electrically from one location to another with a high degree of accuracy. Usually these are custom designed devices to suit the application.

Essentially these are variable transformers in which the coupling between the windings varies with the rotor position relative to the stator. Typical applications are Gimbal Systems & Gyro Platforms.

