

ANGULAR SENSOR

Reference : PS-2120



This sensor measures the angular position (in degrees or radians), but also speed and angular acceleration, with a sampling frequency of up to 1000 Hz.

The axis of rotation of the sensor is mounted on ball bearings that limit friction. A pulley with 3 levels, fixed on the axis of rotation, as well as the possibility of fixing the sensor on the rod of a stand will facilitate the setting up of experiments.

Common applications:

Study of the movement of a clock

Centripetal force (in combination with a force sensor)

Small linear displacements

Technical characteristics:

- 3 pulleys: 10 mm, 29 mm and 48 mm in diameter
- Resolution: 0.09 ° (4000 points per turn)
- Maximum speed: 30 revolutions per second