DIGITAL PROTRACTOR

Project Aim

To make a digital Protractor

Project description:

Using a digital protractor improves accuracy of measurements.This is a very simple DIY project that helps to build a low-cost digital protractor.

Hardware Used:

- Arduino

- Gyrosensor/Stepper Motor

- OLED display

- Power supply

Software used: Arduino IDE

Approach:

1. There are two approaches to build this device

2. First is using a stepper motor:Steps taken by the motor when rotation can be mapped to angle made due to that rotation.

3. Second Approach is to use a gyrosensor.This sensor measures rotational changes in all three directions.

4. This approach is much nicer and simpler as it measures angles in all directions.