Question

A spherometer is an instrument for the precise measurement of the radius of a sphere. Originally, these instruments were primarily used by opticians to measure the curvature of the surface of a lens.

By using Arduino board, design and construct a simple Digital Spherometer. Calibrate your spherometer such that it works fine for the range [-1.0 cm, +1.0 cm] and its maximum measurement uncertainty is 1 mm.

See also:

- [http://physics.kenyon.edu/EarlyApparatus/Optics/Spherometer/Spherometer.html](http://physics.kenyon.edu/EarlyApparatus/Optics/Spherometer/Spherometer.html)