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## EXPERIMENT NO. 2

### Objective:-

To calibrate the Bourdon gauges by using Pressure Calibration Apparatus and report its accuracy.

### Theory:

The Bourdon gauge is a traditional and probably the most recognizable pressure measuring instrument. It has a rotary scale and indicator needle. The dial is calibrated in both ordinary units (degree of rotation) and engineering units of pressure.



**Figure:** Bourdon Pressure gauges

### Working Principle:

The pressure of the entered fluid forces the hollow curved bourdon tube to straighten, turning the gears and moving the needle.

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# Measurement And Control Lab Manual

**F Rizvi**



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