

Tutorial Sheet No-1
Measurement Science & Techniques (UES034)

- Q1 Define measurement. Discuss the role of measurement in daily life.
- Q2 Distinguish between direct and indirect methods of measurement with the help of suitable examples.
- Q3 Explain the analog and digital modes of operation of instruments.
- Q4 Draw the block diagram of a generalized instrumentation system and explain each and every block.
- Q5 For the Fig.1 and Fig.2 draw the generalized instrumentation system block diagram.

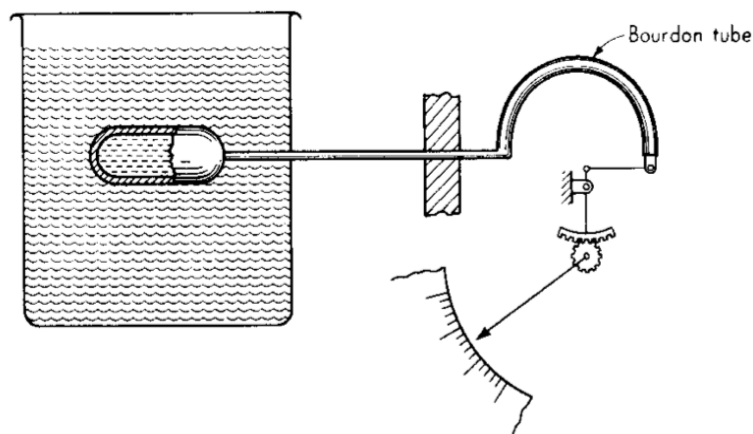


Fig.1 Pressure thermometer

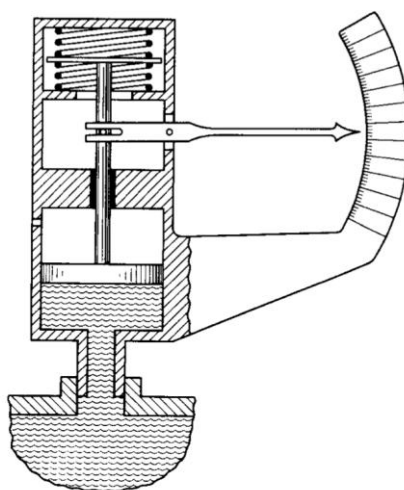
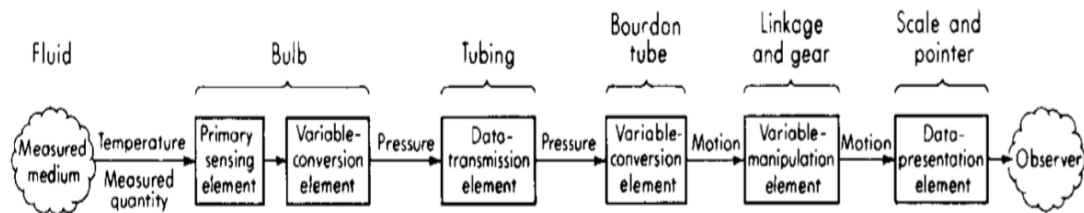


Fig.2 Pressure gage

Solutions

Q5 (a)



(b)

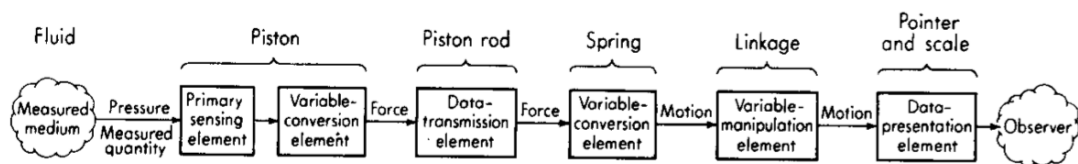


Figure 2.2 Pressure gage.