

**PRADEEP KUMAR : NOTES 2 – MICRO METER SCREW GAUGE**

Posted in <http://yuhuaphysics.webs.com> to students

**Determination of the diameter 'd' of a wire**

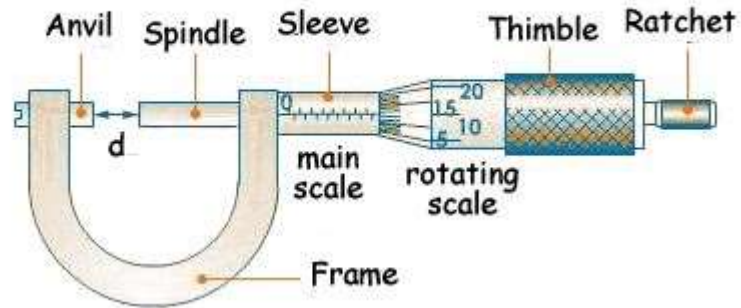


Diagram 1

MICROMETER SCREW GAUGE READING: 7.38 mm  
**THIS READING IS  $7.5 \text{ mm} + 0.38\text{mm} = 7.88\text{mm}$**



Diagram 2

Reading  $7.5 \text{ mm} + 0.23\text{mm} = 7.73 \text{ mm}$



Diagram 3

Main Scale = 0.0 mm  
Vernier Scale is 0.29 mm  
Reading is 0.29 mm



Diagram 4

Main Scale Reading: 3.0 mm  
Vernier Scale Reading: 0.09mm  
Actual Reading= 3.09mm