

TDC Part III

Practical (Lab Work)



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**TOPIC:- Melting point measurement
instrument**

Melting point measurement instrument

Melting point is the physical property that is used in characterization of the solid organic compound. A pure solid organic compound having the melting point in the small range (less than 1°C) while impurity containing solid organic compound having the melting point in the large range. So, melting point can also be used to check the purity of an organic compound.

Apparatus used for the measurement of melting point of the solid organic compound called melting point measurement apparatus. The simple melting point measurement apparatus is represented in Figure 1.7.



Figure 1.7 Melting point measurement apparatus