

King Abdul Aziz University Faculty of Science Physics Department

Modern physics lab

## 9) Millikan oil drop experiment

Student's Name:

Student's Number:



## **Objective :**

Determine the charge of the electron .

## **Equations:**

$$Q = 2.10^{-10} \frac{v_1^{3/2}}{U}$$

$$s = \frac{x}{1.875} \cdot 10^{-4} m$$

Table: