Date
Page No
unity et ginen sample
neter, probes, de current
S- probe spacing
9→ correlation for unich corrects for finite mickness & of sample-
= 10.61 R Cm
should be collinear. Measured using four prol
cher's Signature

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Olyective: To determine the resistivity of given sample using four probe method

Apparatus digital animeter, voltmeter, prohes, de current

Fernula used: f= 2ns v/1; f= fo q

Observations: In our enperimental setup,

and Result S = 0.233 cm

6 = 0.04 cm

6/s = 0.172 so, G(6/s) = G(0.172) = 8

- the contract of	1111
1(m A)	V(mV)
	61
2	122
3	18-1
ч	230
5	3 00
6	359
7	418
8	475
9	531
10	5 8 3

$$P = \frac{V_{10} - V_{1}}{V_{10} - V_{1}}$$

$$= \frac{583 - 61}{10 - 1}$$

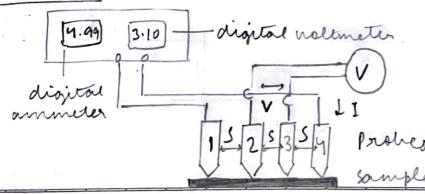
$$= \frac{522}{9} = \frac{580}{9}$$

$$P = \frac{70}{9} = \frac{84.910 \text{ cm}}{9}$$

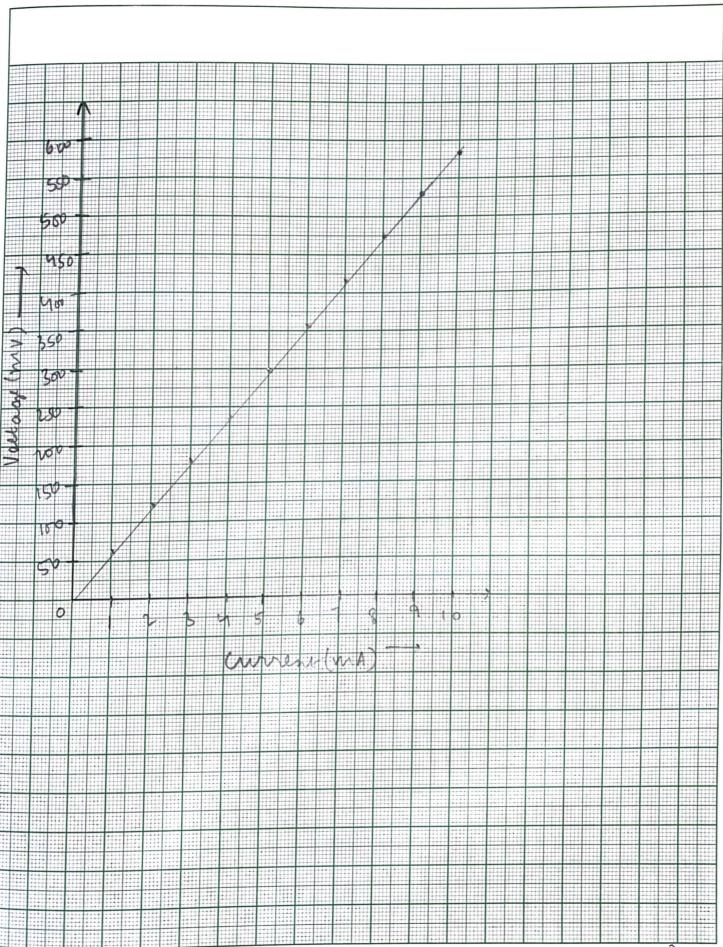
$$P = \frac{9}{9} = \frac{10.600 \text{ m}}{9}$$

it was a suiter sile

Diagram;



mamp.



gramp?