UM-SJTU Physics Laboratory Vp241 DATA SHEET (EXERCISE 2)

Name: <u></u>	Student ID: 518021911039
Name:	Student ID:
Group: 4	Date: 2019.11.39

NOTICE. Please remember to show the data sheet to your instructor before leaving the laboratory. The data sheet will not be accepted if the data are recorded with a pencil or modified with a correction fluid/tape. If a mistake is made in recording a datum item, cancel the wrong value by drawing a fine line through it, record the correct value legibly, and ask your instructor to confirm the correction. Please remember to take a record of the precision of the instruments used. You are required to hand in the original data with your lab report, so please keep the data sheet properly.

	or 10 + 6×1		4+6×10-3
$U_{\rm S}\left[\checkmark\right]\pm \underline{\mathfrak{o}\xi}\left[\checkmark\right]$	$U_0(I_{\rm M}=0) \ [\underline{\mathcal{V}}] \pm \theta. $	$U(I_{\rm M}=250~{\rm mA})~[\underline{V}]$	±0.05/0[V]
5.00	2.513	2.634	•

Table 1. Data for U_0 and U with $U_S = 5$ V.

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			1/4×10-4	3/Lx10-4
		.+ L×/°	+6×10	/•
	17 (1/1 + A E # (1/1)	U0 [V] ±0.050 [V]	17 -41 + 01	
	$U_S[V] \pm 0.5$ [V]	00 [K] ± 2,21, [K]		
1	2,80	1.3970	1.4677	
2	مرد	1. 5983	1.6796	
3	3.60	1.80 50	1.8964	
4	400	2.00 t3	2.1061	
5	140	2,2103	2.317	
6	4.80	2.410	≥.₹ >₹	
7	5. 70	2.614	2.738	
8	5.60	2.815	2.942	
9	6.00	3.013	2.148	
10	6.40	3.213	3.350	
11	b. 80	3.406	3.546	
12	7. >	3. Lul	3.745	
13	7.60	3.791	3. 936	
14	8.00	3.980	4.127	
15	8.40	4.167	4.312	
16	8.80	4.354	4.501	
17	9.40	4.132	4.784	
18	10,00	4.915	t. 066	

Table 2. Data for U_0 and U with different U_S .

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0/ + 6×10-3/6×10-4 ومر 35.

Table 3. Measurement data for the I_M vs. U relation.

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 $\frac{|U|mV| \pm \frac{a^{-3}}{b} |V|^{-1}}{|V|}$ U mV ±0.05/6 V $x \left(m \right) \pm 0.05$ $x [cn] \pm o.o. [cm]$ 10.91 1 17.00 2 28 119.59 18.00 0.50 3 29 19.2 1.00 19.00 4 30 20,00 1.50 5 31 21.00 2.00 6 32 22.00 53.68 2.50 7 33 3.00 70.97 23.00 8 34 3.50 24.00 9 35 4.00 96. 35 X 00 114.10 10 36 25.50 4.50 112.51 103.43 11 37 26.00 5.00 107.81 110.44 12 38 6.XX 12.33 2b.00 106.80 13 39 0.75 16.49 27.00 101.31 14 40 27.50 <u> 55 </u> 22.74 15 41 1.75 30.81 ۲. کد 16 42 6.00 113.23 28.00 17 43 115.77 7.00 28 X 18 44 X8.50 8.00 19 45 9.00 28.75 118.12 20 46 >9.00 10.00 118.80 21 47 28.35 11.00 119.19 22 48 119.31 28.00 12.00 23 49 119.43 <u> 29.75</u> 13.00 24 50 119.30 30.00 14.00 25 51 2. X 46.49

Table 4. Data for the U vs. x relation.

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119.00

15.00

16.00

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