UM-SJTU PHYSICS LABORATORY VP241 DATA SHEET (EXERCISE 2)

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Group:	Date: 30.10.2014

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.

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

	$U_S [_] \pm __[_]$	U_0 [] \pm []	$\mid U \sqsubseteq \pm __ [_] \mid$
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

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

Instructor's signature:

	$I_{ m M}$ $[$ $\underline{ exttt{mA}}]$ \pm $[$ $\underline{ exttt{mA}}]$	$U \left[\underline{WV} \right] \pm \underline{\hspace{1cm}} \left[\underline{WV} \right]$		
1	0	0.16		
2	50	7}2		
3	190	<i>ሉት2</i> ን <u>ኝ</u> 2		
4	120	66.1		
5	2.80	8 <i>9</i> 6		
6	280	गर्ने		
7	300	1322		
8	320	122/		
9	400	178.4		
10				
11	<u>280</u>			

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

Instructor's signature:

	$x [\underline{cm}] \pm \underline{\qquad} [\underline{cm}]$	$U [\underline{mV}] \pm \underline{\qquad} [\underline{mV}]$		$x [\underline{\mathbf{cm}}] \pm \underline{\qquad} [\underline{\mathbf{cm}}]$	$U [\underline{mV}] \pm \underline{\qquad} [\underline{mV}]$
1	7	5 1⋅3 5	27	78	60.17
2	3	79.99	28		
3	Ψ	82.28	29		
4	2	102-96	30		
5	6	106-38	31		
6	6 7 8	108.62	32		
7	8	109. 28	33		
8	P	110.13	34		
9	10	110-39	35		
10	11	110.66	36		
11	12	110.70	37		
12	13	110.62	38		
13	14	110.64	39		
14	12	110.83	40		
15	16	110.77	41		
16	17	110.2	42		
17	افی در مد	110, 33	43		
18	19	110-13	44		
19	فد	ZP .011	45		
20	H	110.12	46		
21	3-7	109.62	47		
22	13	108.73	48		
23	74	107.38	49		
24	25 26 27	104.28	50		
25	26	89.12	51		
26	<u>3</u>	86.63	52		

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

Instructor's signature: