

K L E Tech 's KLE Technological University, Hubli

USE OF MEASURING INSTRUMENTS AND CALIBRATION OF CRO

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Subject Name : Applied Physics Lab (ES)

Enter Number of Observations : 2

i) Calibration of CRO

SL No.	Calibration voltage	Y-displacement	Volts/div	CRO voltage	
1	0.2	1	0.2	0.2	
2	2	2	1	2	

Enter Number of Observations : 4

ii) DC voltage measurement of Regulated power supply using CRO

SL No.	Supply voltage	Y-displacement	Volts/div	CRO voltage	
1	2	2	1	2	
2	4	4	1	4	
3	6	3	2	6	
4	10	2	5	10	

Enter Number of Observations : 4

iii) AC voltage measurement using CRO

SL No.	Peak height in divisions	Volts/div	AC Signal voltage		
1	2	0.5	1		
2	1	1	1		
3	5	0.2	1		
4	0.5	2	1		

Enter Number of Observations : 3

iv) AC frequency measurement of Function generator using CRO

SL No.	Frequency in Function	Peak-to-peak distance	time/div	Time period T= Peak-to-peak	Frequency signal f = 1 / T
	generator KHz			distance x time/div	
1	1.026	2.2	0.0005	0.0011	909.091
2	2.01	2.4	0.0002	0.00048	2083.33
3	4.04	2.5	0.0001	0.00025	4000

Result :



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				experimentall		

Conclusion :

The given Cathode Ray Oscilloscope was calibrated and used to to measure voltage and time period.