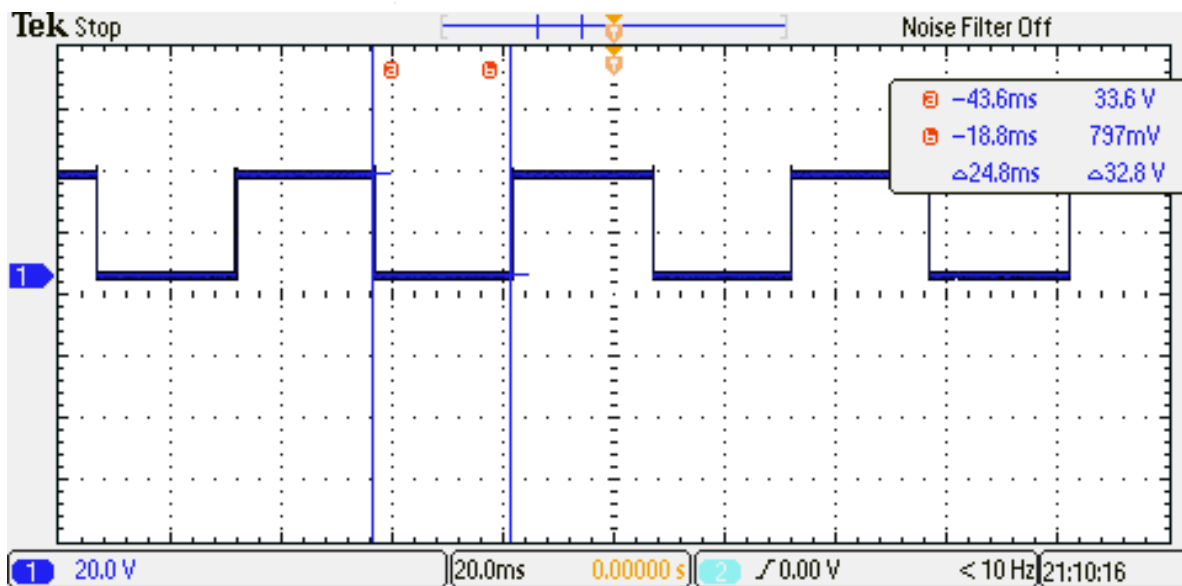


Position	Analog Input	ADC Sample
0.0 cm	0 V	0
0.4 cm	.21 V	275
0.8 cm	.71 V	905
1.2 cm	1.31 V	1643
1.6 cm	1.88 V	2350
2.0 cm	2.37 V	2964
2.4 cm	2.96 V	3703
2.8 cm	3.28 V	4095



True values	Measured values	Errors
.1	.138	-0.038
1	.84	0.160
1.5	1.3	0.200
2	1.86	0.140
2.5	2.34	0.160

Calculate

The number of data sets is 5
The maximum error is 0.200
The average error is 0.140