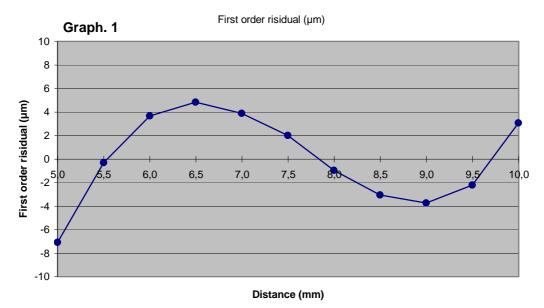
H7DC-043

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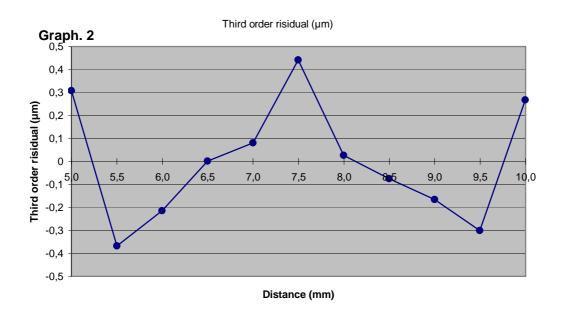
First order linearization

First order regression coefficients $d = 5,0069 + 0,49881 \ V$



Third order linearization

Third order regression coefficients $d=4,9995+0,50844\ V\text{ - }0,002278\ V^2+0,0001417\ V^3$



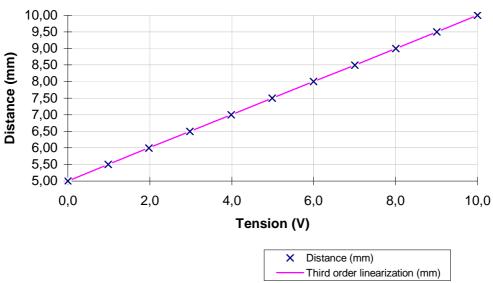
<u>Legend</u>: Linearization polynoms express distance d as a fonction of voltage V

- Distance is in mm
- Voltage is in V

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Sensor linearization



Résults

Distance (mm)	Voltage (V)
4,9993	-0,0010
5,4992	0,9876
5,9990	1,9816
6,4975	2,9786
6,9981	3,9841
7,4974	4,9889
7,9982	5,9988
8,4972	7,0034
8,9982	8,0092
9,4975	9,0071
9,9981	10,0000