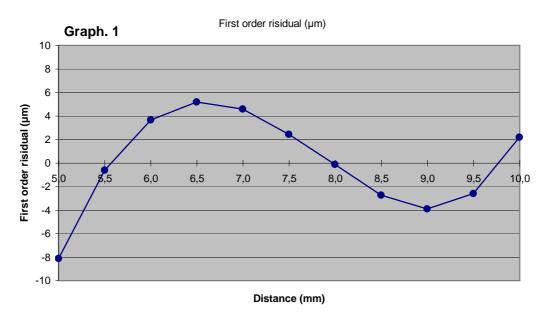
H7DC-040

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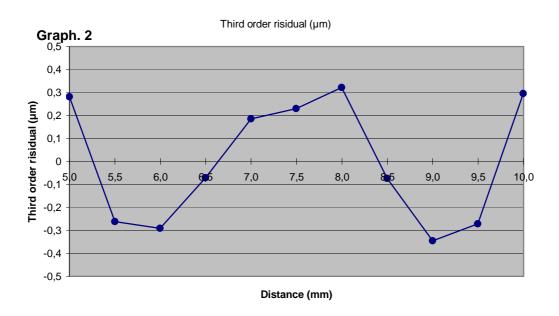
First order linearization

First order regression coefficients $d = 5,0077 + 0,49888 \ V$



Third order linearization

Third order regression coefficients $d = 4,9993 + 0,50923 \ V - 0,002366 \ V^2 + 0,0001433 \ V^3$



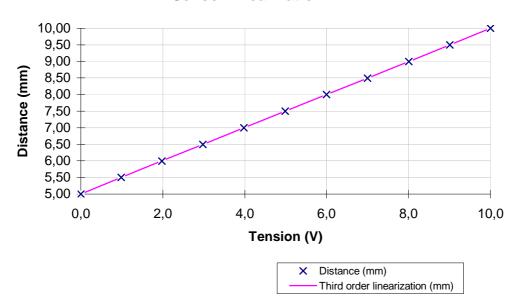
<u>Legend</u>: Linearization polynoms express distance d as a fonction of voltage V

- Distance is in mm
- Voltage is in V

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Sensor linearization



Résults

Distance (mm)	Voltage (V)
4,9993	-0,0005
5,4991	0,9863
5,9988	1,9794
6,4972	2,9754
6,9977	3,9799
7,4968	4,9846
7,9976	5,9936
8,4966	6,9990
8,9975	8,0055
9,4968	9,0037
9,9975	9,9977