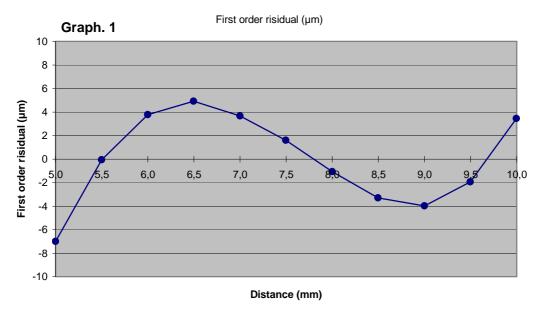
H7DC-058

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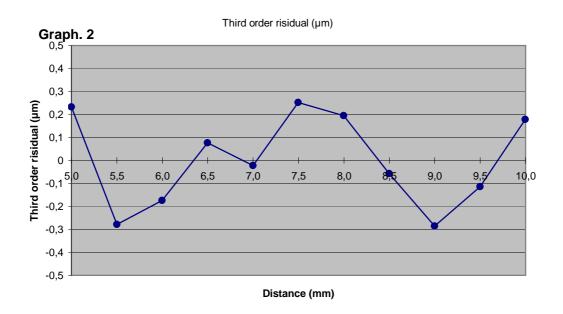
First order linearization

First order regression coefficients $d = 5,0066 + 0,49947 \ V$



Third order linearization

Third order regression coefficients $d=4,9994+0,50915\ V\text{ - }0,002325\ V^2+0,0001464\ V^3$



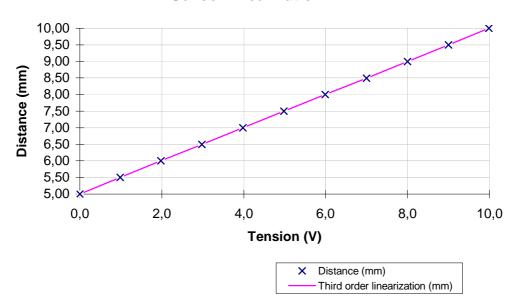
<u>Legend</u>: Linearization polynoms express distance d as a fonction of voltage V

- Distance is in mm
- Voltage is in V

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Sensor linearization



Résults

Distance (mm)	Voltage (V)
4,9995	-0,0002
5,4994	0,9868
5,9992	1,9797
6,4978	2,9757
6,9984	3,9805
7,4976	4,9840
7,9984	5,9920
8,4975	6,9957
8,9983	7,9998
9,4977	8,9955
9,9982	9,9868