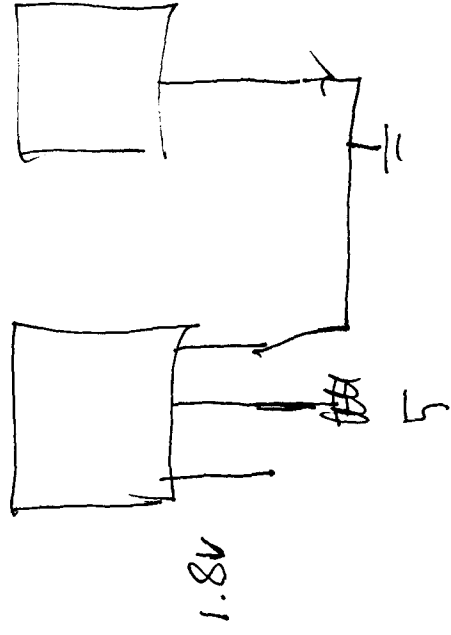
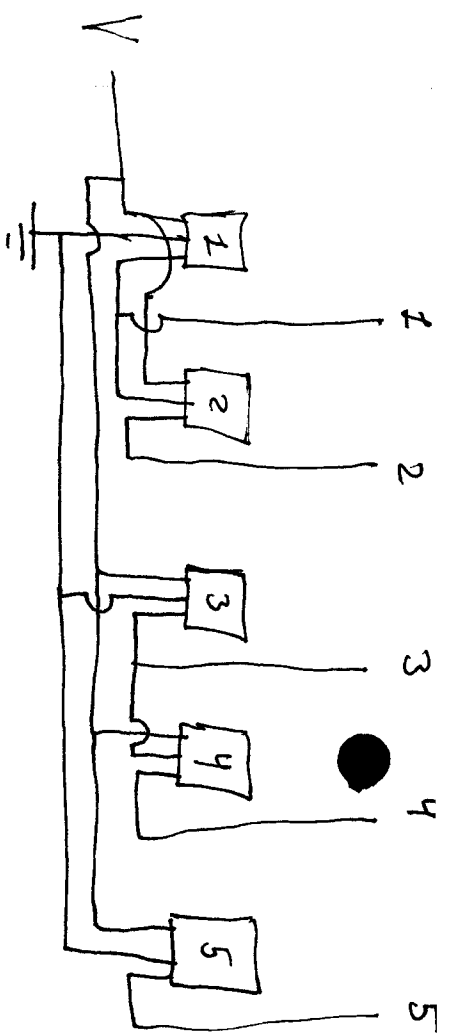


Minimum potential = 1.8 V





Following items are included in the **Hall-Effect  
Design-Kit**.....

1 - **Design Kit** from US Micro Circuits Marketing

1 - **Kit**

1 - **ULN2003A** Hall IC and Calibration Sheet

1 - **Magnet Kit** with 1 A Magnet and 1 B Magnet

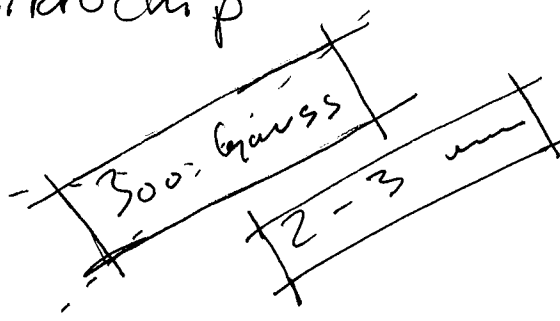
### Samples

- 4 - US1881UA
- 2 - US1881SO
- 6 - US5881UA
- 4 - US3881UA
- 1 package containing the following devices:

- 1 - ULN2003A
- 1 - ULN2003L
- 1 - ULN2803A
- 1 - ULN2803LW



US Mikrochip



100 switches  
+  
Hall design kit

Cobolt

Magnets 5-10 cents each

USM Hall effect sensor Design kit

slide by

Proximity  
interrupt switch

# 7108, UREY HALL

Mail Code 0319

UCSD, 9500, Gilman Dr

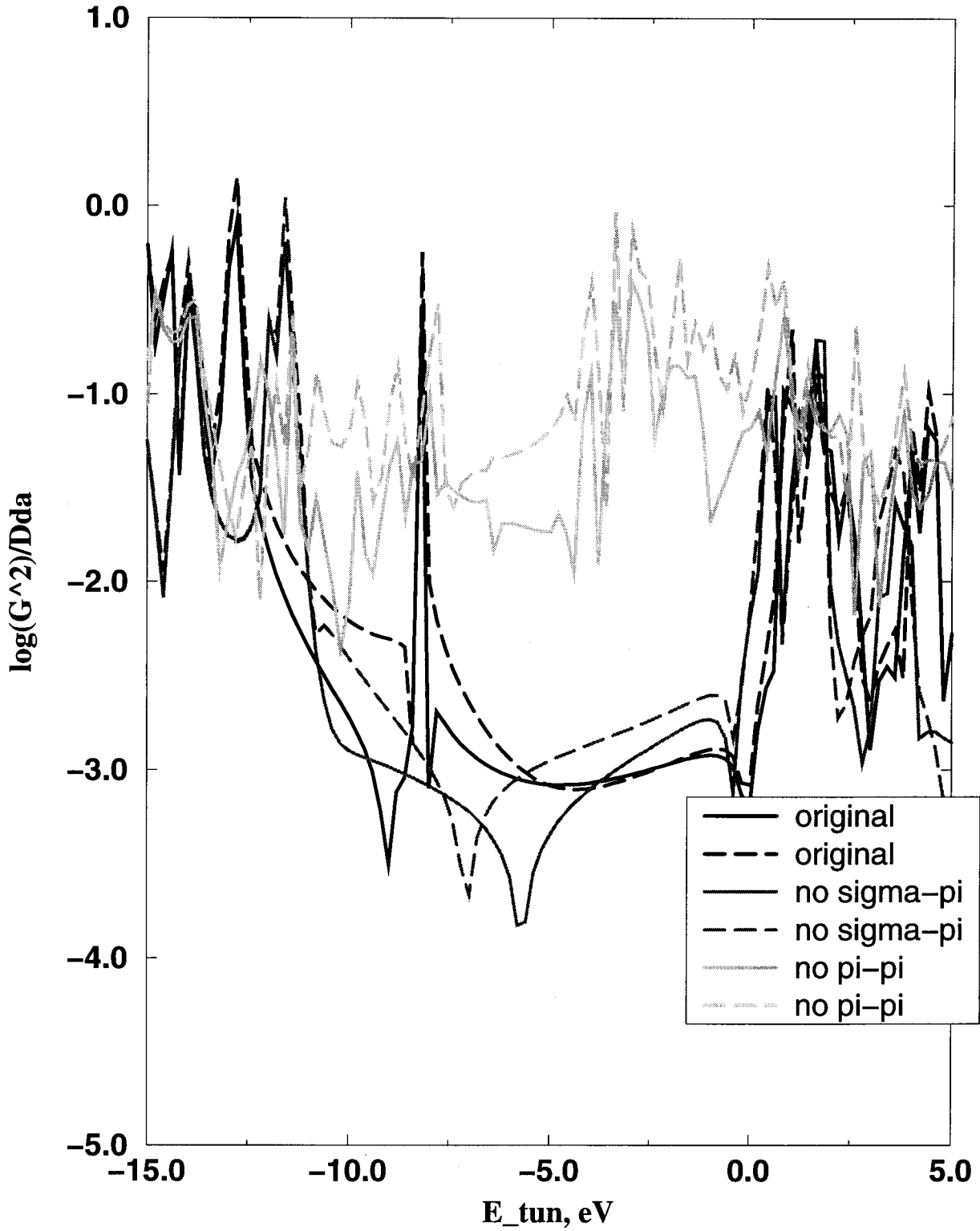
La Jolla, CA 92093

Louis Magnets

Taiwan Draw.

# Distance decay for helix 1

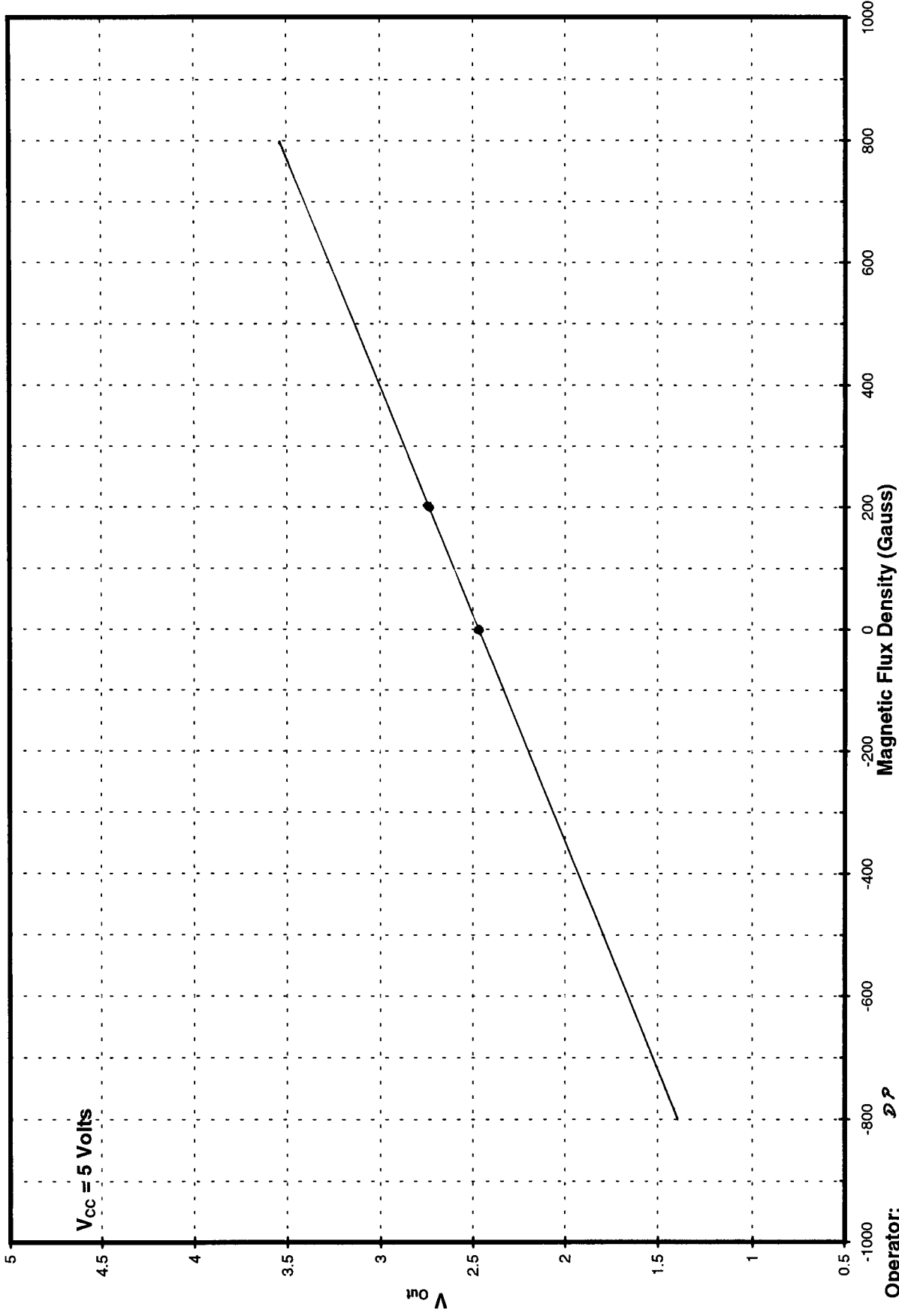
Solid - G, dashed -  $\sim G$



Optimized at 8V  $\approx V_{in}$

17/96

### Analog Output Hall IC Calibration Report



Operator: \_\_\_\_\_

## Magnet ordering

● 300 Gauss

Louis Magnets <sup>Fax</sup> (Taiwan)  
cheap good for large quantity.

Bunting Magnetics (US)

Field engineering (US)

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● John. Field ~~#~~ (413) 566 5808

Seco watch company. Small magnets.  
1 1/4 inch discs | + hole

Hall effect switch. 1/4000 inch.

Humidity ↓ Watch magnet.

1/8 inch long 1/2 mm gap.

Magnet on other side of chip.

● Hysterisis low hysterisis. ~~semi cobalt~~



Distance sensitivity  
of the small magnet.

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US 588CAU                      5 mm (8V)

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Analog ~~the~~ device  
maxim                      0.5 - 1 V =  $V_{out}$                       9 mm (8V)

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USM 503

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# USMikroChips

A Manufacturer of Hall Effect Sensor ICs

## HALL-EFFECT SENSOR DESIGN-KIT

Dear Future Hall Designers

We are pleased to provide the USMikroChips Hall-Effect Sensor Design-Kit. This Kit will enable you to create a successful Hall Effect Sensor System.

USMikroChips is a new innovator of Hall Effect Sensor IC design and manufacture. Our company has been in business for nearly four years. We have introduced new chip design concepts, which improve performance and dramatically lower manufacturing costs by cutting chip size. Through innovative designs, USMikroChips is a prime supplier to World markets. Samples of our switches, latches and our new surface mount package are included in this Design-Kit.

In the design process you must consider the Hall IC, magnet and magnet circuit. A calibrated linear Hall IC is included in this Kit to assist you in the design process. Our company is also available to assist you in the process.

A list of material is included. Please contact us for a complete list of material, complete specifications, as well as the additional components. For additional support or sample information, please call 1-800-368-9430.

Sincerely,



Cheri Marshall