Low Power Operation

OBJECTIVE

This document discusses the benefits and characteristics of VTI Technologies' sensors in low power applications.

DESCRIPTION OF APPLICATION EXAMPLES

Low power consumption and a low supply voltage is important for battery operated and portable applications.

RECOMMENDED PRODUCTS FOR THE APPLICATION

Low supply voltage can be applied to SCA320, SCA600, SCA610, and SCA620 Series.

PRINCIPLE OF OPERATION OF VTI'S PRODUCTS

The supply voltage (Vdd) of the products mentioned above can be min. 3V without decreasing the measuring accuracy significantly. Due to the ratiometric feature of VTI's products, the offset will remain to Vdd/2 (approx. 1.5 V). At 3.0 Volts (Vdd), typical current consumption is 0.3 mA (see Figure 1).

Please contact VTI Technologies in order to receive detailed information about the performance of VTI's sensors in low power operations.

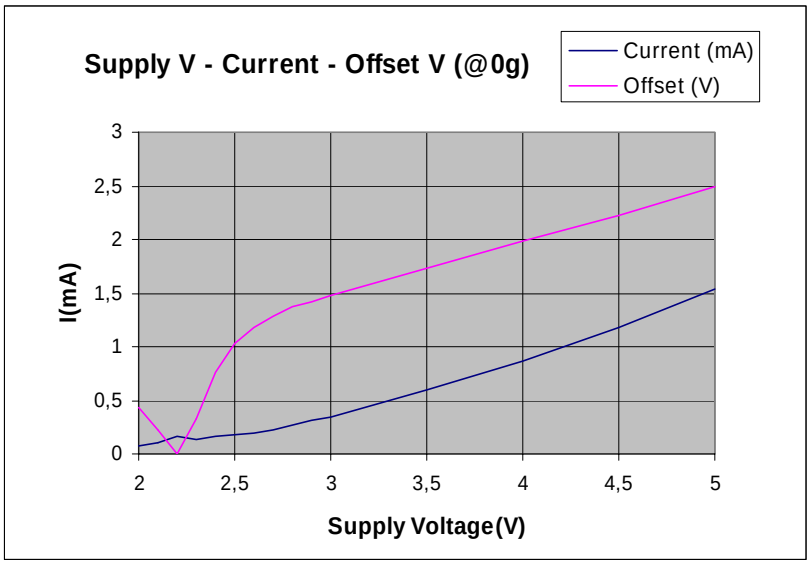

Figure 1. Low Supply Voltage and Power Consumption

VTI Technologies Oy
Myllynkivenkuja 6
P.O.Box 27
FIN-01621 Vantaa
Finland
Tel. +358 9 8791 81
Fax. +358 9 8791 8791
sales@vti.fi

VTI Technologies Oy
Frankfurt Branch
Rennbahnstr. 72-74
D-60528 Frankfurt am Main
Germany
Tel. +49 69 6786 880
Fax +49 69 6786 8829
sales.de@vti.fi

VTI Technologies, Inc.
One Park Lane Blvd.
Suite 804 - East Tower
Dearborn, MI 48126
USA
Tel. (313) 425 0850
Fax (313) 425 0860
sales@vtitechnologies.com