Micro Oscillator, Inc. ICS I-A1

High Voltage High-Side Isolated DC Integrating Current Sensor Module

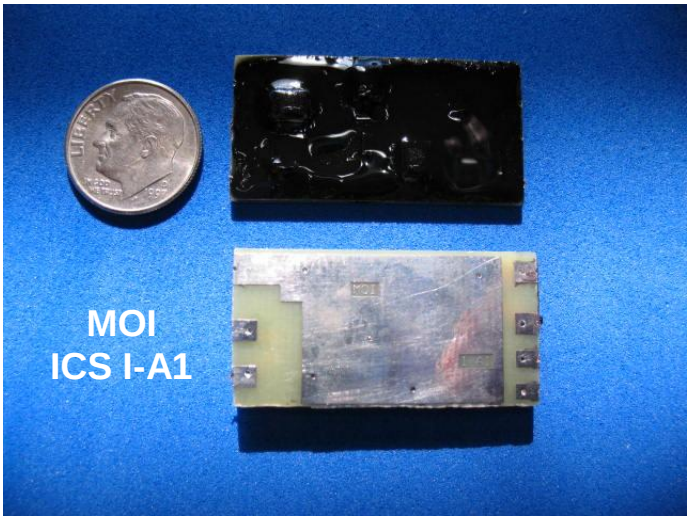
A complete system with digital output while eliminating the need for electronic sampling and A/D converter circuitry. Applications include battery monitoring, motor & servo control in automotive and industrial applications.

A built in integrator providing a frequency output signal is at the heart of this new product family. The integrator performs virtually continuous measurement of the current. This results in all the spikes and dips, over a frequency range of DC-130 KHz, being averaged together. The frequency output signal can be connected directly to a counter, eliminating the need for sampling circuitry and analog to digital converters. Output isolation is achieved through opto coupling.

A full scale voltage drop of only 20mV is required to measure the current. This current sensor has a built in sense resister divider ratio configuration. This improves accuracy by allowing looser absolute resister tolerances and lowers the system cost.

This patented product is highly applicable to automotive, industrial and other applications that require a wide operating temperature range. Military temperature range is also available as a custom.

Other models in the **ICS I-A1** family include both current and voltage sensing in one device. The genealogy is the Micro Oscillator Endurance Analog Product Line. Preproduction units are available now, with product announcement scheduled for April 2011.



For more information about this product, please visit Micro Oscillator's website at http://www.micro-oscillator.com/Release%20New%20IP%20for%20web.pdf , *send an email to* sales@micro-oscillator.com *,or telephone Micro Oscillator Sales Representative @ 1-512-470-2835.*