

## **AIS Micro Observatory <sup>TM</sup> DLK-I, A New Instrument For Understanding the Physiochemical Environment**

*Don Nuzzio\**

The Analytical Instrument Systems, Inc. Micro Observatory instrument is the next generation for data collection at pertinent environmental sites anywhere on Earth. This unique instrument allows the user to collect data from a variety of sensors simultaneously.

The AIS Micro Observatory <sup>TM</sup> DLK-I instrument currently allows for a maximum of 16 channels of data to be collected from a variety of sensors. Examples of sensors that can be used with this system include: temperature, pressure, light, conductivity, pH, ORP, and specific ion electrodes. All data is stored on an SD card, and battery power can be supplied from any source from 3 to 60 volts DC. This instrument can be programmed with a simple wristwatch for field deployment.

Future instruments will include the ability to perform all types of voltammetric analysis. These instruments will collect data from multiple working electrodes simultaneously.

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