Making Data Acquisition Easy

A Quick and Easy way to Monitor a 4-20 mA signal

Analog sensors come in various shapes and sizes. There are sensors which can measure minute differences in thickness computer chips. There are also sensors which can measure the level of water behind a dam. Most of these sensors have one thing in common. They provide a universal 4-20mA outputs signal.

A sensor which has a 4-20 mA output can be read in by most panel meters, HMI, and analog PLC or PC input cards. It can also be read in by a remote data acquisition module. For datalogging or monitoring, a data acquisition module is a simple and easy way to acquire data from these sensors.

Our TM-AD5C module provides 5 Analog Input channels that can read in 4-20mA signals. Used in conjunction with a PC or PAC running datalogging or monitoring software, this can be a simple and cost effective way to monitor these signals.

https://www.icpdas-usa.com/tm_ad5c.html

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The TM-AD5C module has a built in RS-485 port which can be used to share its acquired data in Modbus RTU or DCON format. Modbus RTU is one of the most common protocols used today. Most PLC and SCADA software packages have the ability to read this data.

We provide our EZ Datalogger software which can be used in conjunction with this TM module to log data, send email alarms and control other Modbus RTU devices based on the input from the TM-AD5C. https://icpdas-usa.com/ez_data_logger/
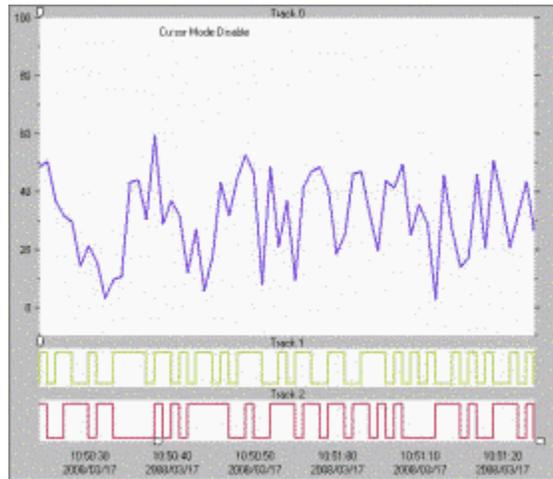
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EZ Datalogger provides the ability to create a simple trend curve to view the data on a PC screen. The data can even be scaled to provide proportional data or actual measurements based on the sensor output.

If you have any questions concerning any of our products, please contact us via email or phone. We are here to help.