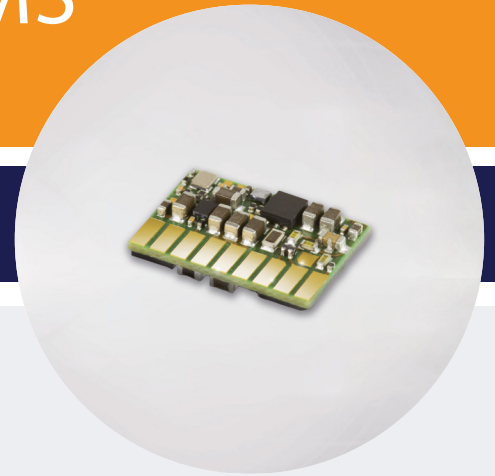


# DATA ACQUISITION SYSTEMS

## ANALOG-DIGITAL-MODULE



### PROPERTIES

- 1- to 6-channel Analog-Digital-Module (ADM)
- Programmable gain from 1 up to 1,000 depending on type
- Sampling rate up to 100kS/s
- Various filter options
- Dimensions approx. 13 x 10 mm

### ACCESSORIES

USB-Converter for connecting ADM to USB-C port

- Adapter from USB-C to USB-A
- Supports Windows 7-10, Vista, XP, MAC OS X and Linux
- Data transfer rates up to 3 Mbps
- Stabilized module supply 5.6 V/ 900 mA (with USB-C)



Software DxMod Utility

- For configuration and data acquisition
- Supports analog trigger, digital trigger and software trigger
- Firmware update of the modules via RS-485
- Data acquisition and export of time signals to excel
- Online mode
- Test routine of the ADM incl. filter test



### KEYFACTS

- Turns analog signals into digital data stream
- 3 varieties - differ in signal ranges
- Connection via USB adapter to PC
- Not even needs an DAQ
- Support of analog trigger and digital trigger input
- Windowed acquisition mode; can acquire 15 channels simultaneously
- Support of pre and post trigger
- Stream at 20kS/s until hard drive is full
- Adjustment of positive and negative shunt response independently
- Trimming the sensor bridge to zero using the shunt resistor
- Measure its own filter characteristic and compares it with limits in the TEDS
- Self-test function
- Set a limit of sensor signal and output an error value if exceeded
- Digital scale or change polarity of the sensor signal before sending to the DAQ/ PC
- Linearization of nearly every sensor signal in real-time

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