

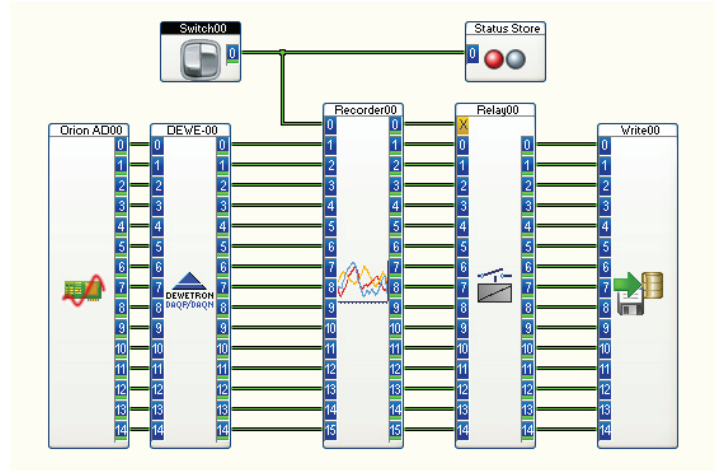
DASYLab Drivers

for Signal Conditioning Modules and ORION-based Instruments



DEWETRON provides the complete measurement chain in DASYLab. While the DAQP and PAD amplifier series are supported since DASYLab 5, the AD-gap is now filled with the ORION-DAQ (16-bit series) driver. The simultaneous sampled analog inputs, synchronous digital inputs and counters, sampling rates up to 5 MHz will give the complete picture of the investigated device.

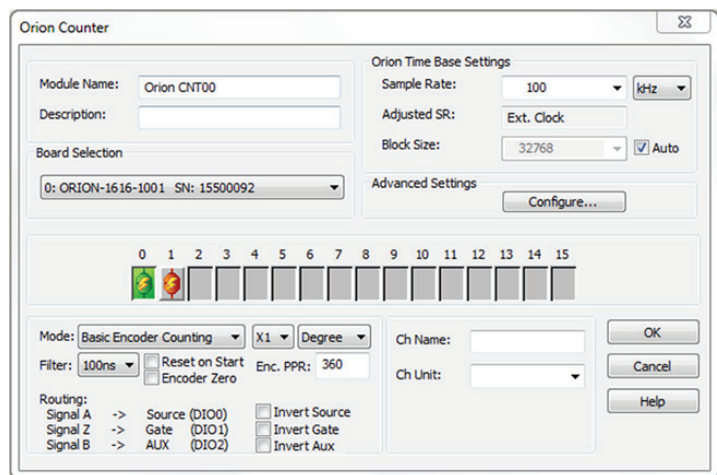
DEWETRON drivers and DASYLab run on Windows 32 and 64 bit.



AD input

The DASYLab driver supports the whole ORION-DAQ (16-bit) series. Also multiple AD cards can be combined to extend channels. The smart driver architecture does automatic hardware synchronisation of multiple cards.

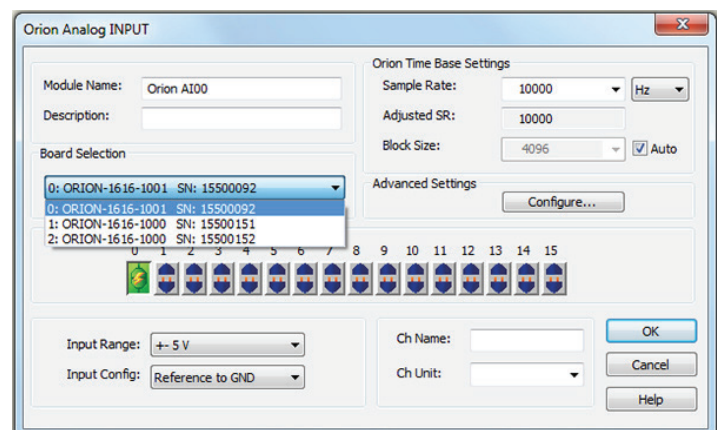
- ORION-1616-100
- ORION-3216-100
- ORION-1616-500
- ORION-0816-1000
- ORION-1616-1000
- ORION-0816-5M
- DAQP series modules
- PAD modules



Digital and counter inputs

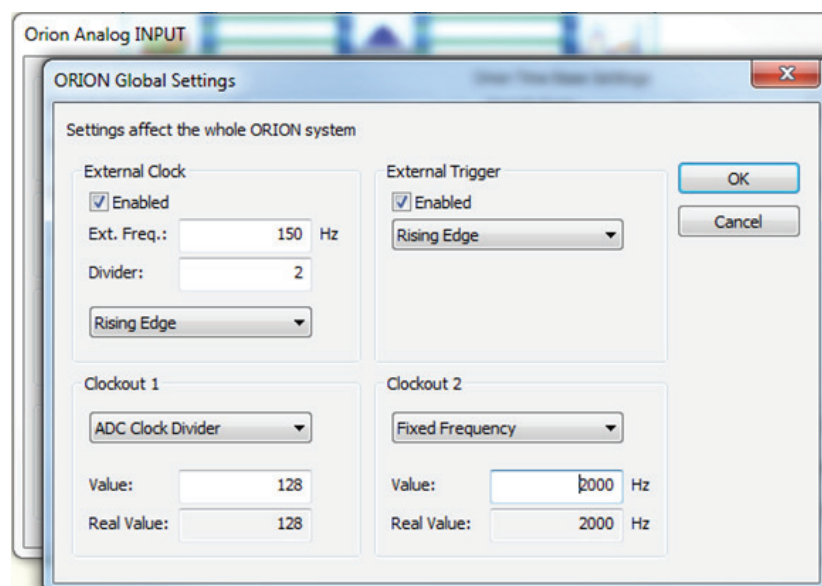
The ORION-DAQ (16-bit series) card also supports synchronous digital and counter inputs. Digital and counter inputs are read with the selected sampling rate. Compared to other AD cards where this is read asynchronous, this feature enables that fast digital channels can be measured with the full sampling rate. The outstanding digital input filter of the ORION counters will support measurements at harsh electrical environments.

- Basic event counting
- Gated event counting
- Up down counting
- Basic encoder



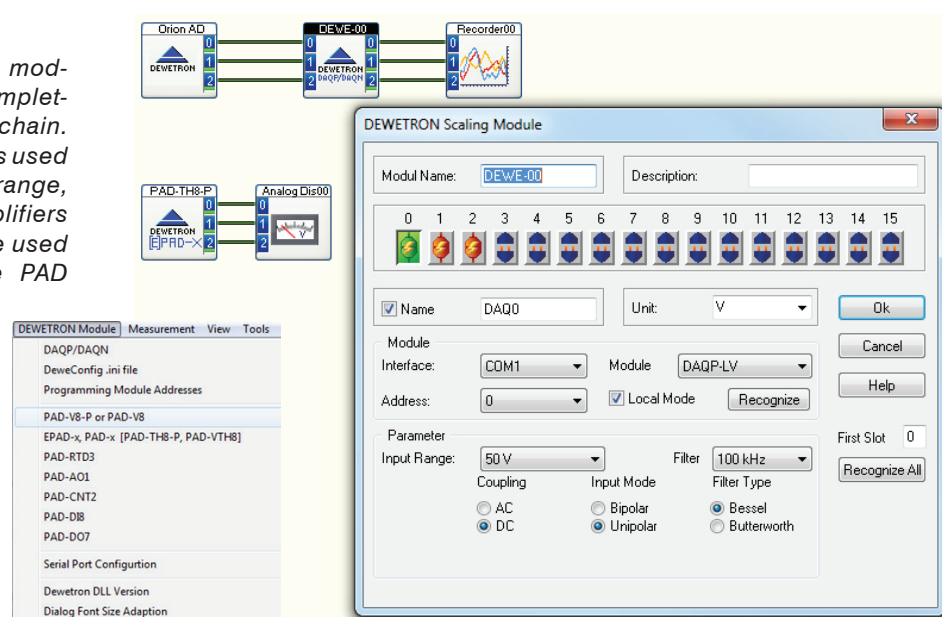
Clock, trigger and clockout

The ORION cards also support external clock and trigger, which is usefully to synchronize to other clock sources, or to rotary encoders to change into order domain world. Two free programmable clockout channels, can be used to sync other devices.



DAQP and PAD modules

DAQP scaling and programming module, and the PAD module are completing the whole input measurement chain. The DEWETRON scaling module is used to program the DAQP modules (range, filters, ...) and rescale to amplifiers input range. PAD input blocks are used to read data directly from the PAD amplifiers.



Operating systems

- WIN XP, 32-bit
- WIN 7, 32-bit
- WIN 7, 64-bit