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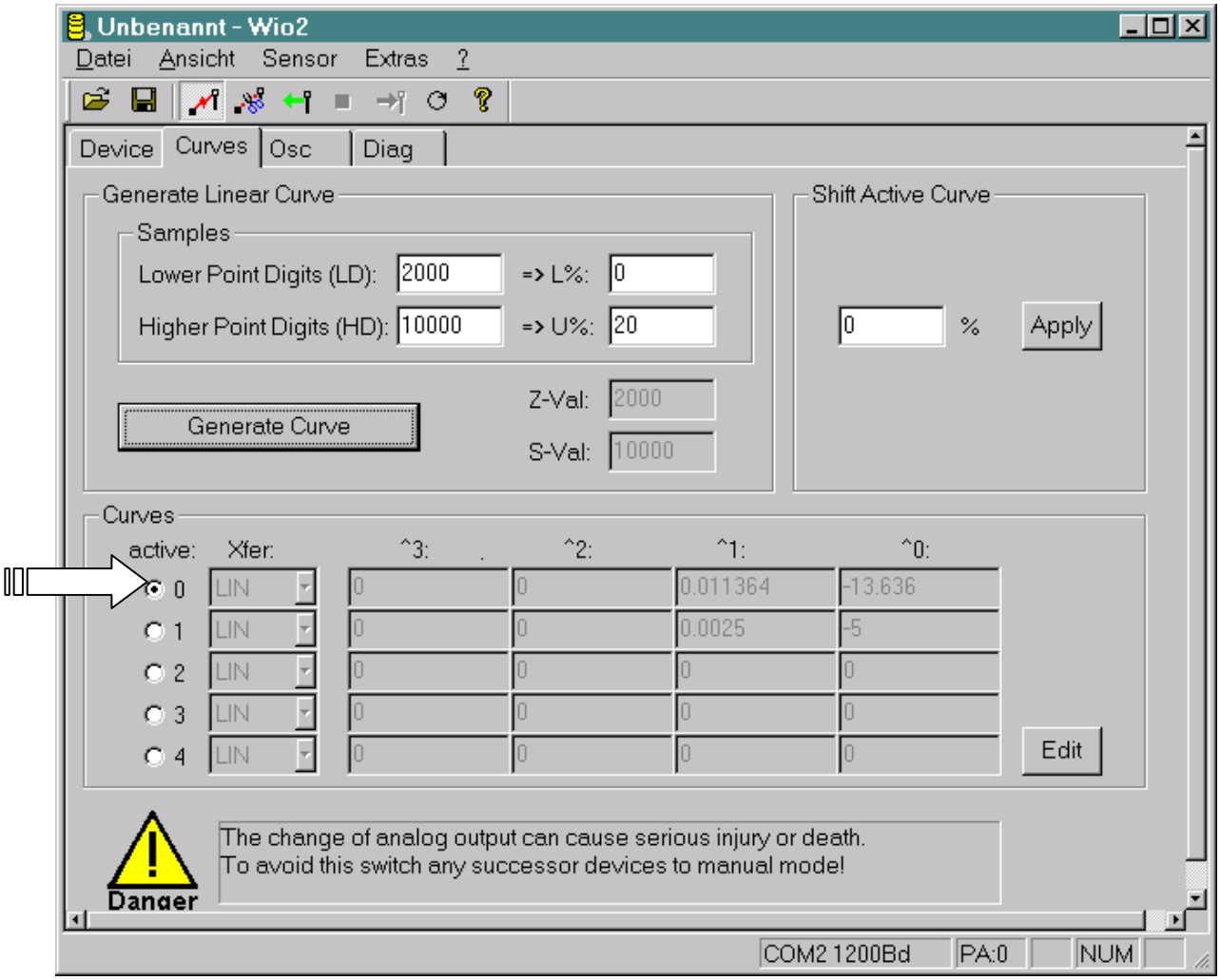
2. Product- or curve switch over

2.1
Switch over via HART-Standard-Modem and WIO-Software. (remote switch over)

Example:



The number of the curves is limited to 5.

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2.2
Switch over with SCADA:

Here the measuring curve with the lowest crude oil density has to adjust within the sensor. The sensor is sending out a basis value per mA to the SCADA.
The correction is done within the SCADA.

Advantages:

Because there is no communication with the sensor this is the faster and easier way than to switch over via HART.

The number of curves is not limited with using the SCADA. (e.g. 10 ..20..>)

3.
temperature gradient respectively material coefficient

Already programed, (operation manual 5.3.11)

If there are any problems proceed like this:

With a Tri-Loop-coupler, which has to be installed additionally, it is possible to record the temperature together with the water content.
The measuring values are recorded by a PC (DAQ-data aquisitation soft- and hardware required) or by SCADA.
With this data the temperature gradient can be calculated.