

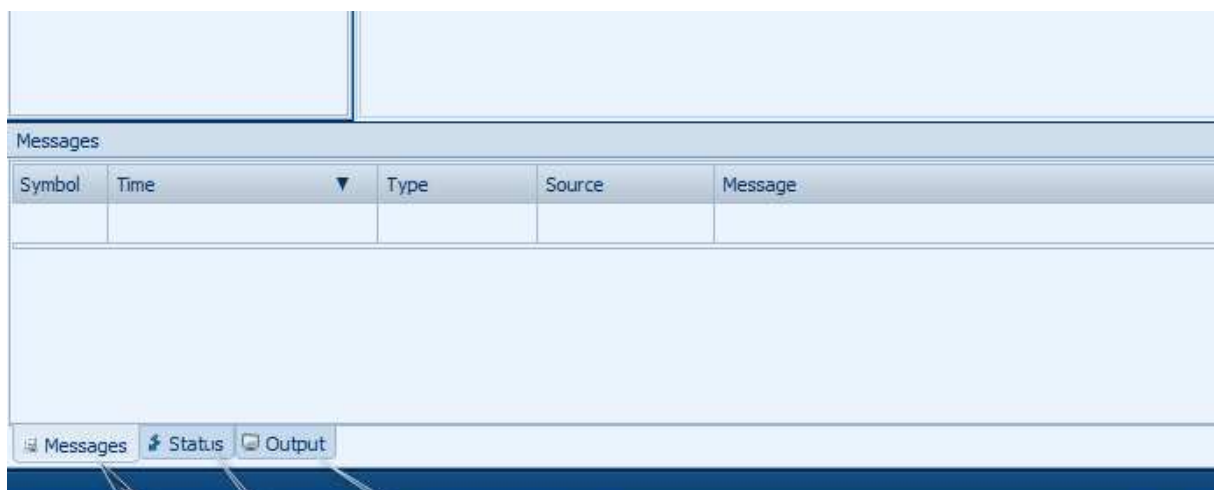


IPeMOTION
MEASUREMENT SIMPLIFIED

Here is a brief overview of the major new features of version 1.08.00

At the user level:

The message window is now divided into three areas:



Here are the current system messages with time stamp

Here are the messages from the connected data logger will be displayed. These messages are normally stored in the log files in the data loggers

Here are the current status messages

New standard calculations:

TFF():

If $\text{Operand1}(t) > 0$ and $\text{Operand1}(t-1) == 0$ (positiv edge) then result = 1

This operator is used for edge detection.

DFF(;):

If $\text{Operand1}(t) > 0$ and $\text{Operand1}(t-1) == 0$ (positiv Edge) then result = $\text{Operand2}(t)$

This operator is used for edge detection, such as TFF () only the result is Operand2

Count(;):

If $\text{Operand1}(t) > 0$ and $\text{Operand1}(t-1) == 0$ (positiv Edge) then result (t) = result (t-1) + 1

If $\text{Operand2}(t) > 0$ and $\text{Operand2}(t-1) == 0$ (positiv Edge) then result (t) = 0

The edge counter, works like TFF (), except that here the edges are counted. With the Operand2 the counter can be reset.

Example: COUNT ("Temp_1"> 26; "Temp_1" <20)

Every time the channel "Temp_1" exceeds the value 26, the result is incremented by 1.

If the channel "Temp_1" falls below 20, the result will be reset

TimeDiff(;):

If operand1 (t)> 0 and Operand1 (t-1) == 0 (edge) then start = t

If operand2 (t2)> 0 and Operand2 (t2-1) == 0 (edge) then stop = t2

Result (t2) = (t-t2) * DeltaT in seconds

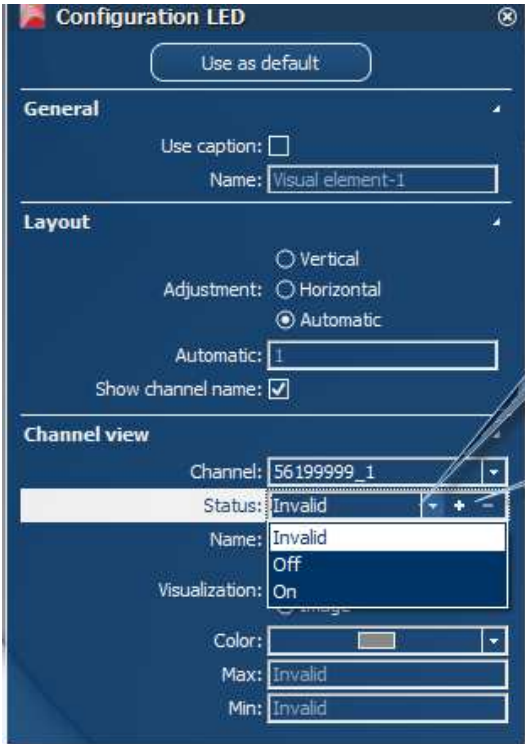
If start - and stop conditions are fulfilled simultaneously, the result is 0

The first reading is NoValue

The result will not be updated until the stop condition is met.

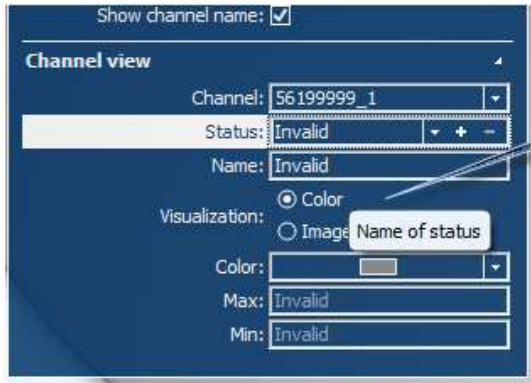
There are no retrigger.

Indicator "LED" display more than 2 states



Here are the states selected to be parameterized

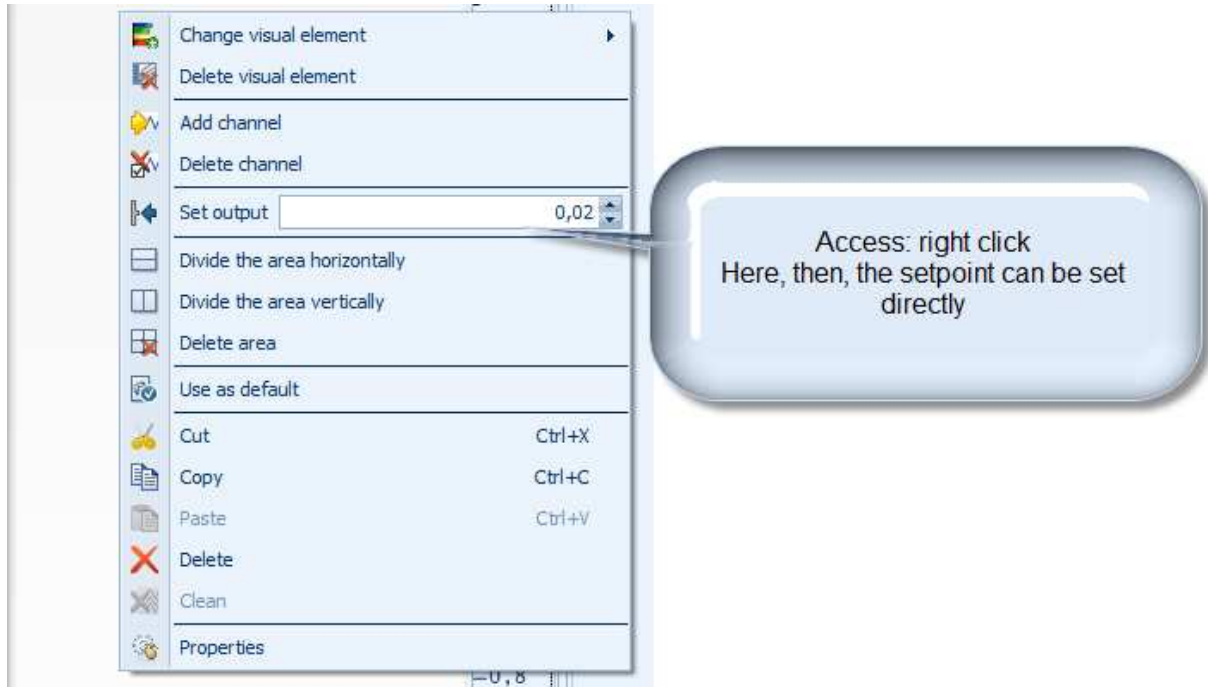
Here, new states are added



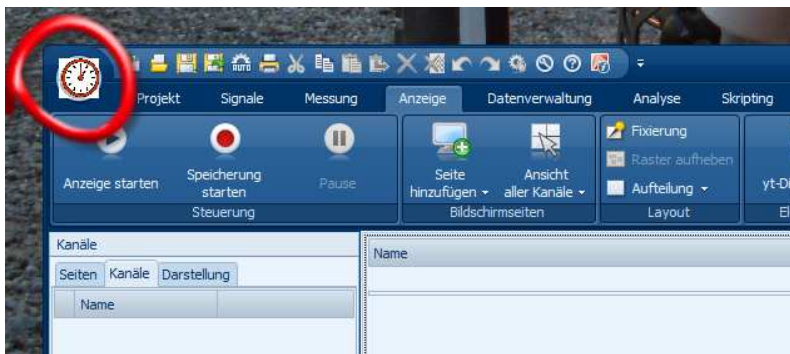
For each state in each case, a color or an image can be selected

Setpoint slider can be set directly

In view item "Slider", the setpoint can be entered directly as a numerical value.

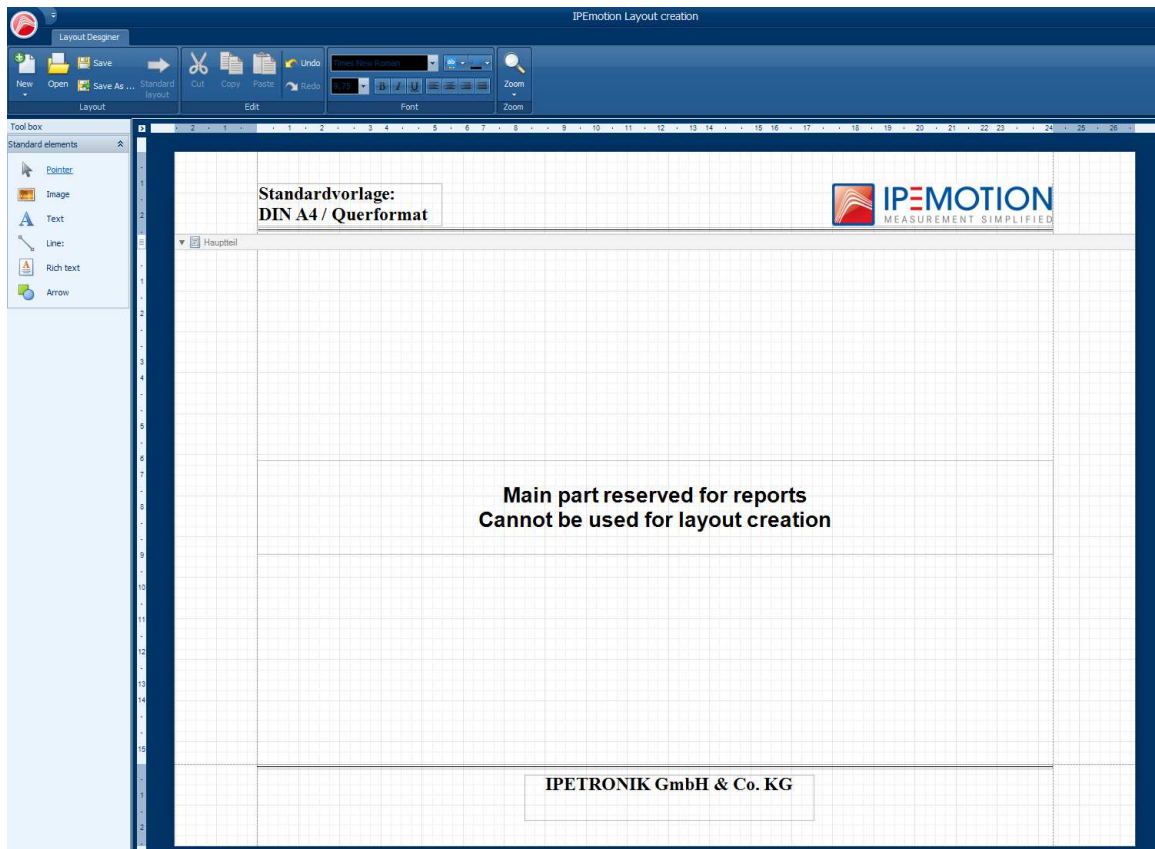


Customer specific logo or splash screen



The splash screen and logo can be replaced with custom images / icons

User-specific layout



Using the layout editor, the user can create custom layouts for the reports..

Video-Import

In the analysis can now be imported AVI videos

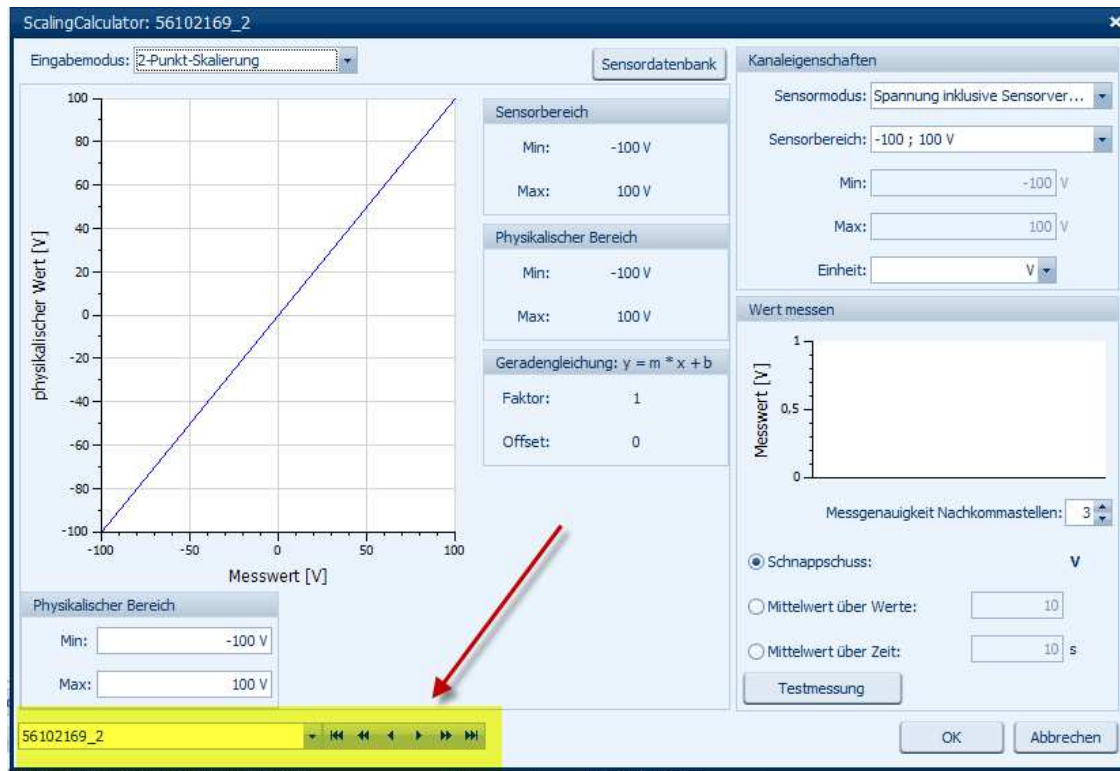
Analysis Edition

Among the known editions like Standard, Professional, etc ... There is now a Analysis Edition. This edition can only measurement data are analyzed.

Import-Modul

- Select a DAQ list in the import dialog for each measurement point
- When you synchronize, the differences displayed in a window and the user can choose whether to take the measurement site wants to or not.

Scaling calculator



Now you can select directly the channel that you want to parametrize !
Previously you had to leave the scaling calculator, select a new channel, and the restart the scaling calculator.

In the programming level:

The new features are useful for users who develop their own plug-ins or COM interfaces to control IPEmotion

- User-Objects: calculations are now possible with history
- User-instrument: It is possible to create custom display elements and integrate them into IPEmotion
- COM interface: Event output, ie that is spent at the "Initialize" an event.
- COM messages can now be written to the trace file.
- Plugins can now transfer your own pictures / sketches to IPEmotion, such as Help the sketches in the measurement for a better explanation of the trigger properties.