MANUAL

Software KL ReadOut

Installation Instructions

Windows XP

- Put in the CD in a CD-Drive
- If you use a 32Bit system start KL_setup_x86.exe
- If you use a 64Bit system start KL_setup_x64.exe
- Follow the instructions

If there is no COM – Port at the PC, a short message appears.
In this case please install a USB – COM Converter

By using a UAC 110 connect it now to a free USB Interface.
For driver look to: c:\drivers

Start Software "EFM_read_out.exe"

Short Description (Program)

Setup => Select the COM Port connected to your device (only by using TOM 600 or CPM 374).

Device => By TOM or CPM choose "Start".

=> By UAC 110 => Select the connected device and the function then select the chosen device range.

View => Select Chart or Display.

Start / Stop => Start / Stop the Measure transmission.

Reset => Erase the measures.

Exit => Close this window.

Operating manual

with UAC 110 E-Field Meter or Voltmeter mode

CHART

Start => Start the measurement reading and chart record.

Break => Stopped the measurement reading and the cart record without delete the maximum values. After a new start the measurement continues.

Reset => Delete the maximum values and the chart and set back to start position.

Exit => Close the window

Display

Start => Start the measurement reading.

Break => Stopped the measurement reading without delete the maximum values.

Reset => Delete the maximum values.

Exit => Close this window.

pos.maximum => Displays the positive maximum value after pressing the Start button.

neg..maximum => Displays the negative maximum value after pressing the Start button.

measurement => Displays the running measurement.

The icons in the TOP – line are to handle the results and the chart.

The chart is saved as *.tee. Please use the TeeChartOffice Software on the CD to handle it.

CPM 374 Mode

Setup	=> In Setup you can choose the parameters. With Read Setup the parameters from the CPM 374 can be read out.
Start Measure	=> Starts a new measurement with the selected parameters.
View chart	=> After the end of a measurement you can display the discharge chart.
Break	=> Interrupts the running measurement.
Read File	=> To readout the saved files from the CPM 374.
Info	=> Displays the parameters.
Clear Display	=> Delete the Display.
Exit	=> Close this window.
Results	=> After end of the measurement the results will be displayed.
Save results	=> Save the results in a *.csv file. You can add the results in the same file.

The selected Parameter for the CPM 374 will be set after the View Window open!

TOM 600 Mode

Init	=> After connect the TOM 600 or first call of the software you have to make this initialization. The unit details will be displayed in the Info window after that.
Setup	=> In Setup you can choose the parameters. By Timer = On it opens a new windows for the timer parameters.
Start	=> Starts a new measurement with the selected parameters.
Stop	=> Interrupts the running measurement by Timer = ON.
Read File	=> To readout the saved files from the TOM 600. First select the range file numbers. Then add a comment to each file.
Reset	=> Generates a “RESET” at the TOM 600.
Save	=> Save the results in a *.csv file. You can add the results in the same file.
Exit	=> Close this window.

SETUP – File

In the Setup-File in the path: *c:\Programme\EFM ReadOut* the parameters of the measurement can be modified.

Delta_U=300	max. Offset (Bit) between two Measures
Average_U=1	numbers of measures to built the average
Sampling_Time_Chart=xxx	for Chart in ms
Sampling_Time_Display=xxx	for Display in ms

Save the measures

Write a comment of the measuring place into the Common window. (e.g. Production1 Table1)

The file is saved as a CSV file. You can handle it for example with excel.

New measurements saved into the same file will be added into a new line.

Device: CPM-V6.12/02.10	Serial No.: 05010409	Cal.Date: 15-11-2010							
Date	Time	CPM-Mode	Start (V)	Stop (V)	Offset (sec)	Decay time pos.(sec.)	Decay time neg.(sec.)	Offset (V)	Comment
08.12.2010	20:36:55	Auto	1000	100	10	10,9	5,3	-125	Bank 1
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