Manual

USB – A/D Converter UAC 110

USB – Adapter with A/D Converter

Input Voltage: ± 1V

General Information

With the UAC 110 you can read in the analogue signals ± 1V from EFM120, EFM 231 and 251 and all other devices with an analogue output of ± 1V via a USB interface

Product Specification

The unit is in a plastic housing. At one end of the unit is a BNC - jack for connecting the analogue ± 1V input, on the other end is a USB connectors.

The device has a built-in microcomputer, with the following tasks:

- Management of the USB interface
- Analogue / Digital conversion of ± 1 V input

Specifications

Dimension (L x B x H):	app. 110mm x 32mm x 20mm
Weight:	app. 60g
Resolution:	10 Bit A/D Converter

Connection

The connection of the input voltage is via the front identification BNC jack.

After the installation of the Software connect the device to a USB port on the PC.

Guarantee

In correct handling of the instructions we grant a warranty of 24 month.
 Excluded of the guarantee is:
Damage caused by high voltage and mechanical damage of the device.
The warranty expires by opening the device

Scope of Delivery

The basic version of the USB A/D converter includes the following items:

- UAC 110 Converter
- 2m Input Cable with BNC – plug to 3,5mm plug
- 30cm USB connector cable
- CD with Device Driver and Measurement-Software
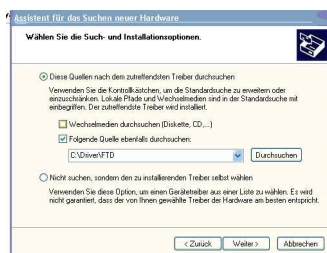- Manual

Installation Instructions UAC 110

Windows XP

- Don't connect the UAC 110, first install the Software !!
- Put in the CD in a CD-Drive, and then start the EFM_Setup.exe file.
- Follow the instructions, don´t start the Program
- Connect the UAC 110 to a USB port

Please decide: *Software from a list ....*

Click " Next"

Mark: Also Search following sources

Write Path ➔ C:\drivers

Click " Next"

Disregard the Windows warning

Click "Continue"

Installation complete

Click on the Desktop to the icon „EFM_read out" !

Program EFM_read_out.exe started !

Short Description (Program)

Device   => Select the connected device and/or Mode

                => Select the chosen device range

View   => select Chart or Display

Start / Stop   => Start / Stop the Measure transmission

Reset   => erase the measures

Cancel   => close the window

SETUP – File

In the Setup-File in the path: *c:\Programme\EFM Read* you can set the parameters of the measurement

Delta_U=300   max. Offset (Bit) between two Measures

Average_U=1   numbers of measures to built the average

Wait_Time_Chart=xxx   Parameter to modify the time on the time line.

Wait_Time_Display=xxx   Select the display refresh time.

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