

## Easy recording of external voltage and current measurements with PLC-ANALYZER pro



AD\_USB-Box

The **AD\_USB-Box** makes it possible to record external electric values within the **PLC-ANALYZER pro**. The box will only be connected to the USB-Port of your PC. So you can record up to 20 digital and 8 analog signals.

By using the **AD\_USB-Box** you can record external electrical values, which are not available within the PLC. This is also very helpful in case of the demand of capturing I/Os from PLCs, for which a specific PLC driver is not available. This works simultaneously to the data recording from the PLC.

The signals to be recorded will only be connected to the screwclamps of the **AD\_USB-Box**. An external power supply is not necessary.

The **AD\_USB-Box** provides 8 single-ended or 4 differential analog inputs respectively, and 4 digital inputs. Additional 16 digital inputs (24 VDC) are available by connecting the **Expansion Unit**, which is included. The inputs of the **Expansion Unit** are extra protected against short circuit and surge.



Expansion Unit for AD\_USB-Box  
(scope of supply)

The suitable software driver for the **PLC-ANALYZER pro** enables you to record and analyze the measured values in the usual comfortable way.

Also electric current can be measured by using the **AD\_USB-Box**. Therefore you can use the optional **ET420** (4-20 mA current/voltage converter).



### 4-20 mA Current/Voltage Converter ET420 for 4 channels (option)

#### Technical features

- 8 single-ended or 4 differential analog inputs with 12-Bit resolution
- Analog input voltage range from  $\pm 10$  V
- 20 digital inputs
- Maximum sampling rate 0,8 ms
- Resolution: 12 Bit
- Digital inputs:
  - Low max 0,8 V
  - High min. 3 V .. max. 15 V (direct)
  - High min. 3 V .. max. 25 V (Expansion Unit)
- Analog inputs:
  - single-ended min. -10 V .. max. +10 V
  - differential min. -20 V .. max. +20 V
  - Maximum values min. -40 V .. max. +40 V
- No need of external power supply
- Easy connection by USB-Port of the PC
- Software driver for **PLC-ANALYZER pro** included
- 4-20 mA Current/Voltage converter ET420 with 4 channels (item no. ANA4525) optional
- Dimension: AD\_USB-Box: 150 mm x 110 mm x 35 mm, Expansion Unit: 102 mm x 100 mm x 35 mm
- Operating temperature: -40°C .. +85°C (-40°F .. +185°F)
- Easy connection to USB-Port, 3 m USB connection cable scope of supply
- Warranty 12 month
- CE-license, EN 55011 Class A, EN 61326-1, EN 61000-4-2: 1995, EN 61000-4-3: 1995

#### System requirements

PLC-ANALYZER pro 5 and upward, PC or programming unit with USB-Port, Microsoft<sup>®</sup> Windows 7/8/10

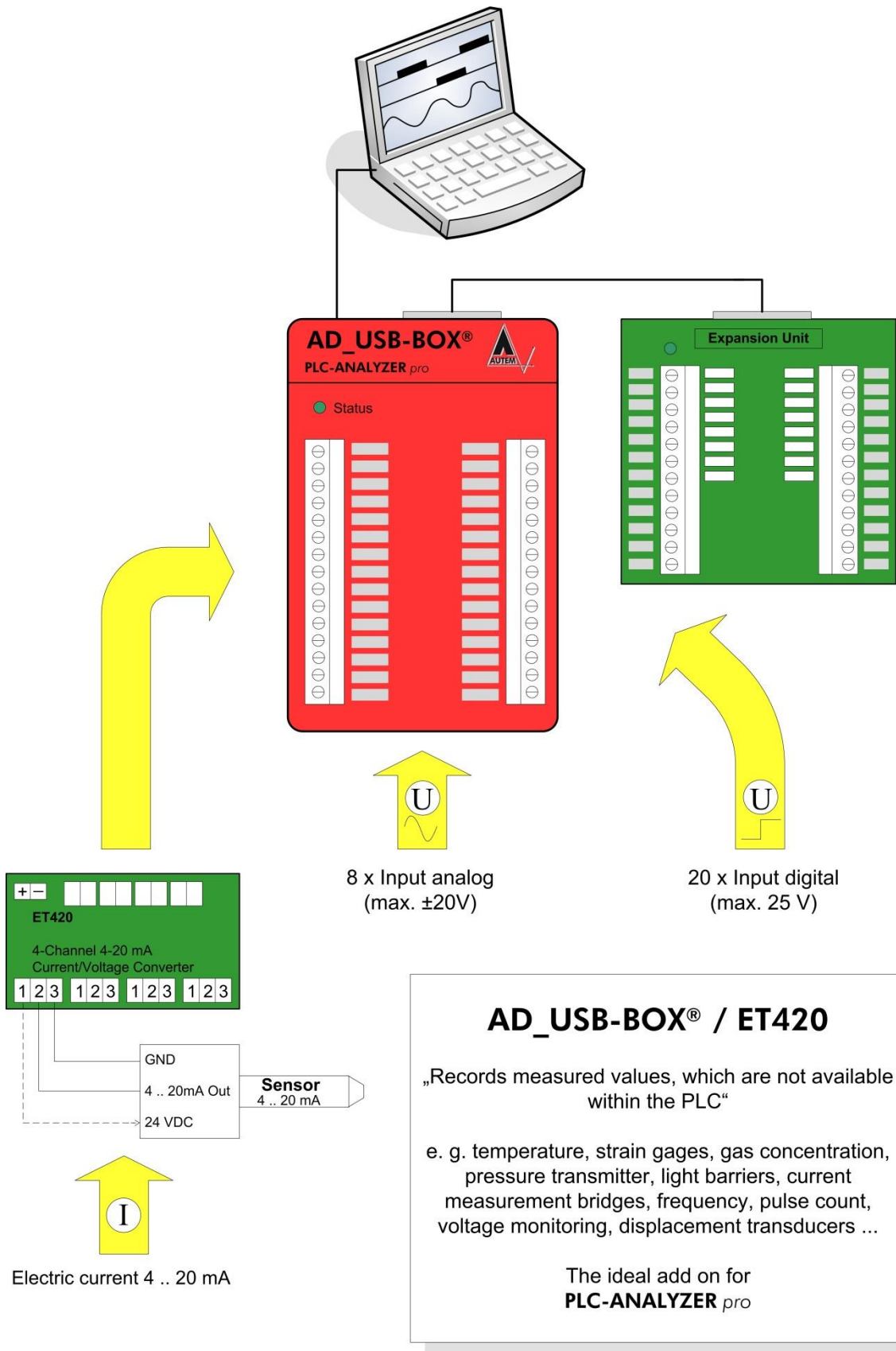
#### To order

Please refer to our current price list for prices and order numbers.

Errors and omissions except

# AD\_USB-Box<sup>®</sup>

for PLC-ANALYZER pro 6 / 5



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