

Special type of the TIV-D converter for glass bath heaters

This new converter technology is convincing because of the following features:



- ideal for glass bath heaters
- pre-selectable fixed frequency
- synchronisation of the frequency for converter groups in parallel operation
- cos phi close to 1 on the network even in the partial load range
- fully digital converter controller, as a central component, with processor-controlled inverter unit with highly integrated, programmable digital electronics in one housing
- visualisation and display of the operational data on a display unit
- Profinet-/Profibus connection for communication with higher level controllers
- Industry 4.0 integration-capable
- indirect semiconductor cooling
- glass bath-specific secondary measurement integrable
- indicator (capacitive/inductive) for optimising the external adjusting unit

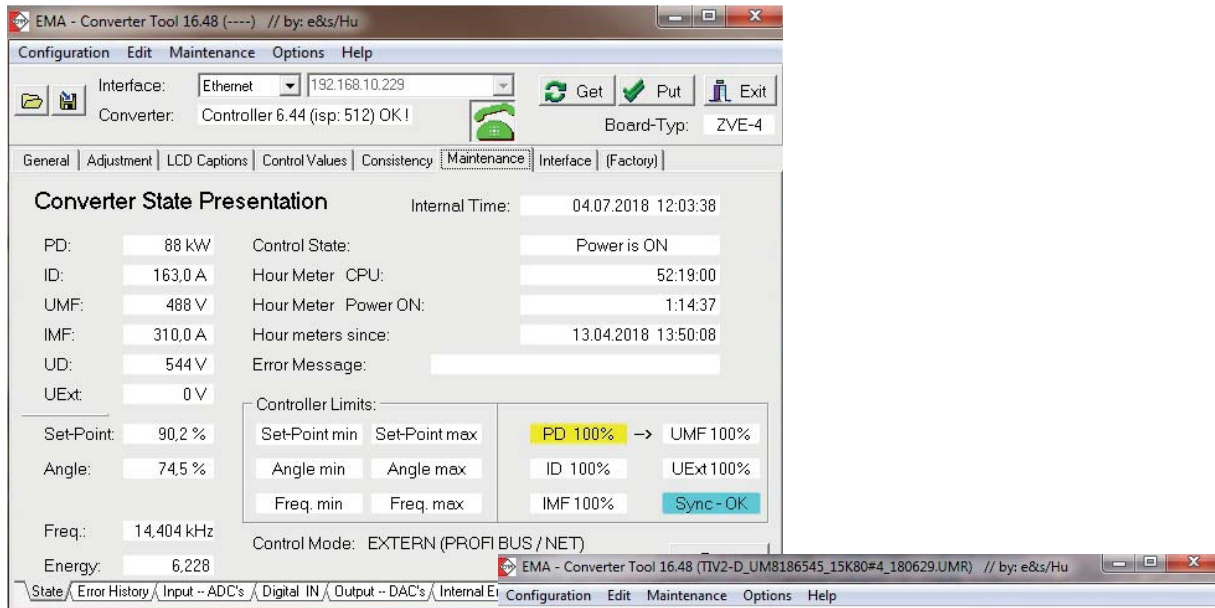
Advantages of the converter controller

- **One** uniform controller component for **all** frequency and output ranges
- Parameterisation by software
- Ethernet, USB, RS232 and Profinet-/Profibus interface present
- Remote maintenance via Internet integrated
- Changing the operating parameters via remote access
- Error memory
- Actual value memory with integrated continuous line recorder
- Indirect semiconductor cooling
- Glass bath-specific secondary measurement integrable

Converter for glass bath heaters

TIV-D								
Rated power	kW	40	60	80	100	120	150	200
Mains connection 50 / 60 Hz +/- 10 %	V	400	400	400	400	400	400	400
Output voltage (optionally extendable)	V	600	600	600	600	600	600	600
Rated current	A	80	120	160	200	240	300	400
Connected rating	kVA	48	72	96	120	144	180	240
LF-/MF rated frequencies	< 50 Hz to 130 kHz, glass bath typically 10 kHz							

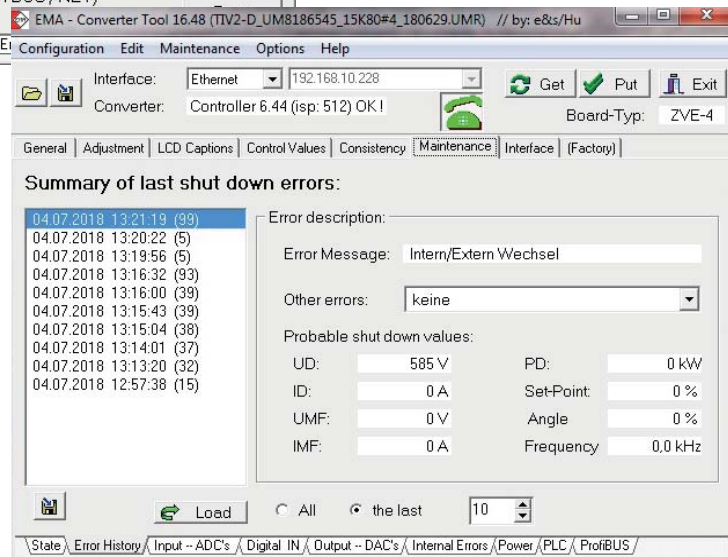
- We reserve the right to make model, program and technical changes. Errors excepted.
- Please inquire about ratings and voltages that are different from the standard
- Rated mains connected load. In case of a misadjustment or minimal permissible mains voltage, a higher current consumption is possible
- other sizes upon request



Converter Show software

Converter Show software for upkeep can be optionally supplied: Display of all the relevant operations data, printouts and sending error messages, graphical display of the operations data and sequences.

The software for Windows operating systems is provided in the framework of a chargeable training. Updates, if any, are provided free of cost.



Example of the display of the integrated continuous line recorder

