



# Akzent 5000

Version: 01-2011

## Microprocessor thyristor control



**Order-number:**  
**XS7.302.002**  
**(operating unit)**

- great flexibility in assembly
- user-friendly interface
- input possible with PC, Laptop, PLC, etc.
- faults and errors displayed as they occur during the welding process
- 4-line display with scroll feature
- active inputs and outputs displayed
- serial interface RS 232 for one printer
- up to 500 welding programs (can be programmed in any sequence)
- Stepper feature
- easy to expand available functions by simply replacing the plug-in card

**Ambient temperature:** 0°C to +45°C  
**Dimensions (B x H x T):**  
T-5000/3 483 x 133 x 58 mm  
T-5000/6 182 x 262 x 55 mm  
TS-5000/W 181 x 150 x 355 mm

### Control inputs:

Basic model: 9 digital control inputs (free programmable)  
Maximum model: 19 digital control inputs (free programmable)

### Measurement inputs:

Basic model: 2 measurement inputs (current, voltage)  
Maximum model: 5 measurement inputs (current, voltage, pressure, force, distance)

### Outputs:

Basic model: 5 outputs (3 x 24 V, 2 x relay)  
Maximum model: 13 outputs (11 x 24 V, 2 x relay)

### Analogue outputs:

Basic model: 2 analogue outputs  
Maximum model: 3 analogue outputs  
The function for all outputs can be programmed

**Variable output voltage:** from 0 to 10 V / max. 10 mA, Preparation of +24 V for valve electronics

**Interfaces:** HSN (incl. CAN-Bus), RS-232, ArcNet (Option)

**Inverter:** Connection of an inverter MF-5000 or external medium frequency inverter

**Programs:** up to 500 welding programs (from 250 programs upwards a larger storage card is necessary)

**Process control:** Basic model: 8 process times  
Maximum model: 20 process times (max. 10 current times)  
**Option:** Process times and start and interruption conditions programmable

**3-capacity-seam:** up to 1 current time with 3 currents

**Cascade:** up to 12 transformers at varying phases with automatic phase recognition.  
Electric cascade - mechanic cascade with individual starts for transformers

**3-Phase:** Electrical connection recognition of phases

**50 / 60 Hz:** automatic 50 / 60 Hz mains frequency and phase recognition

**Main compensation:** Mains voltage fluctuations from + 15% to - 15% are compensated for

### The transformer allocation can be programmed with the TS-5000

**OPTION:** The controller provides the possibility to define different access rights for different users and user levels. A personal PIN-code can be assigned to every authorized user.

We reserve the right to make changes which are in the interest of technical progress.

© by WMA Schmidt & Bittner GmbH, Baumwaide 23, D-74360 Illfeld-Auenstein, Tel. +49 7062 9066-0, Fax +49 7062 9066-20  
info@wma-sb.de oder wma-sb@t-online.de, <http://www.wma-sb.de>

**Akzent5000-1**