

Akzent-2000 Welding Controller

Your application:

Resistance welding equipment AC, 3-Phase DC or MF

- Single or serial spot welding
- Projection welding
- Seam welding



The welding conditions can sway insignificantly. Therefore a constant current control [KSR] is mandatory. Your customer expects a process monitoring of the welding current.

Your requirements:

The operation of the welding controller must be simple and pleasant to use. Important information's about the parameter settings and the welding process should be visible at a glance. Changes of parameters only shall be possible with a corresponding access right.

The welding controller should guaranty a constant welding quality under reproducible conditions. Deviations of welding current should be signalized by an alarm.

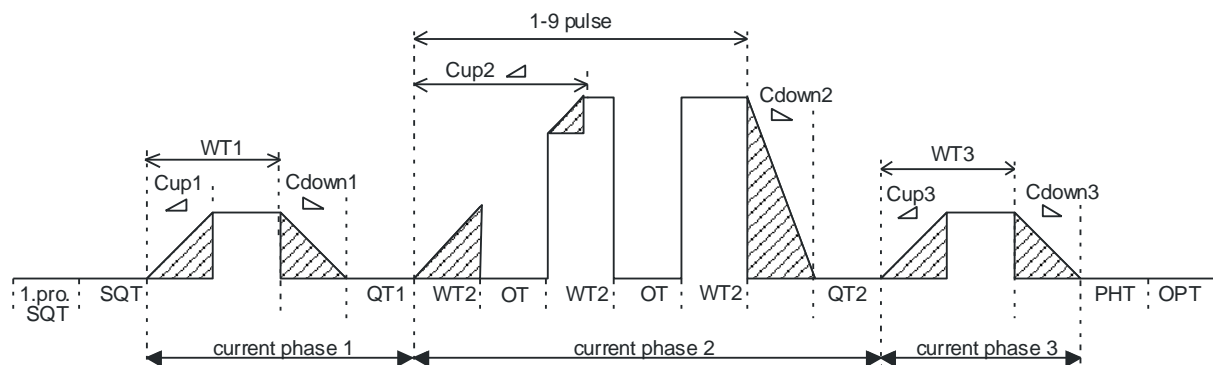
Our answer:

The welding controller Akzent-2000 sets new standards in the mid-range class of welding controllers for resistance welding applications. If constant current control and current monitoring is sufficient for your resistance welding application, the Akzent-2000 welding controller offers the optimal relationship between function and economy for your demands.

The way of operation is easy to understand and user friendly. The graphical display shows all important information's. The most important functions can be reached by one keystroke. The electronic key assures that changes of welding parameters and monitoring settings can be made only by authorized operators.

The compact design offers a lot of possibilities in application. Integrated mounting inside of the machine case is possible as well as a separate mounting of the T-2000 operating terminal outside of the security fence or in the machine panel. The web interface and the optionally available fieldbus interface offer all possibilities to optimally integrate the welding control in your industry 4.0 environment.

Welding times



Technical specification

Operator terminal T-2000

Dimensions (H x W x D) mm:	128 x 182 x 45 (without connectors) also as 19" design available
Display:	Graphic display with 240x64 pixel resolution
Operation:	Navigation via rotary knob Change of settings via rotary knob 5 function keys for direct stroke of the most important functions Assignment of different access rights via digital key
Operating language:	Easy to understand symbols

System controller SC-2000 (AC, 3-Phase DC or Medium Frequency)

Solenoid valve:	2 SV outputs 24V DC, maximal switching capacity 25 VA
Mains compensation:	Variation of +15% to -20% of mains voltage can be compensated
End of cycle:	Free programmable
Locking contact:	Free programmable
Welding programs:	32 programs
50/60 Hz:	Automatic detection
Operating mode:	Single spot, serial spot, seam welding
Digital inputs:	10 free programmable inputs for start, pressure contact, ready for operation, with/without current, program selection, ext. locking, etc
Digital outputs:	10 free programmable outputs for solenoid valve, locking contact, end of cycle, monitoring alarms, end of counter, etc
Analogue outputs:	2 analogue outputs (0-10V) for proportional valve control
Measuring input channels:	Respectively 1 analogue input channel for secondary current or primary current sensor
Welding times:	16 times, including 12 current times (look at picture of welding times)
Control mode:	Constant current control selectable for primary or secondary current
Monitoring:	Monitoring of sum values and envelope curves of welding current
PC interface:	100 MB Ethernet
Power output signal:	Ignition pulse output for AC and DC thyristor modules or analog set point output for medium frequency inverters
Dimensions (H x W x D) mm:	160 x 236 x 135 (without connectors)

Options

Digital I/O's:	Expansion for up to 20 digital outputs und 20 digital inputs
Welding programs:	Expansion for up to 99 programs in total
Field bus interface:	Digital I/O's alternatively via Profibus, Profinet or others on demand
Monitoring software:	Interface for the SPV database software to collect and visualize the process data