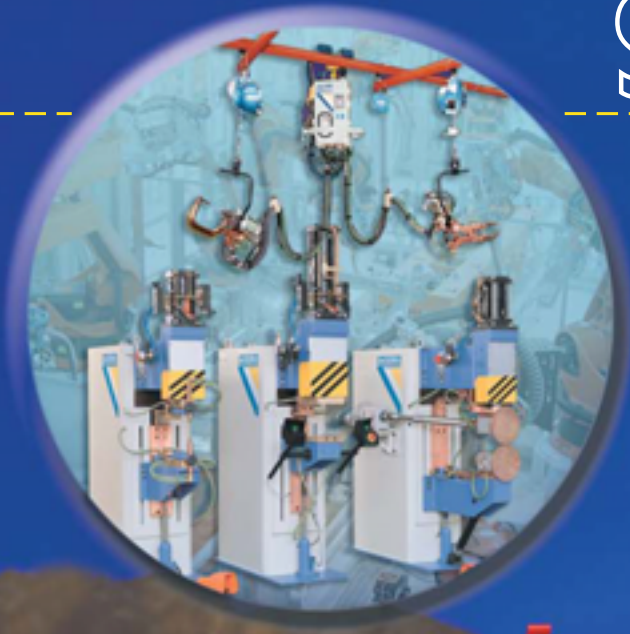


# ELECTRONIC WELD CONTROLLER FOR RESISTANCE WELDING

## SERRATRON 1A



- Compact size and low weight.
- Up to 16 weld programs.
- Integrated terminals for easy wiring.
- 2 working modes :  
**MAN.** For portable stations.  
**STA.** For pedestal welders and robots.



State of the art tools for total quality in weld processes.

## SERRATRON 1A WELD CONTROLLER

## Wide range of features



The device can be used for programming, as well as for displaying weld parameters, counters, measured weld currents, error messages etc.

- Weld current programmable in kA (resolution : 0,1 kA).
- Constant Current Control: the weld timer compensates variations of welding conditions, measures the effective current used, and detects possible errors.
- Electrode wear compensation based on curve interpolation.
- Unique user interface: a complete programming and monitoring interface, created for quick, intuitive learning.
- Serial connection V24 for lap-top or TP-10 programming unit.
- CPC-BUS interface (RS-485), for centralized programming.

WORKING MODES		2
Hanging stations (Number of weld programs)		MAN (16)
Pedestal welders (Number of weld programs)		STA (16)
Robots (Number of weld programs)		STA (16)
BASIC FUNCTIONS		
Max.number of power units		1
Control modes : constant current, current monitoring, firing angle.		●
Electrode wear compensation through curve interpolation.		●
Basic weld sequence (Number of time intervals)		5
Serial interface V24 for lap top or TP-10 or UPF-8a		●
Serial interface (RS-485) for networking		●
Log of the latest welds		16
Log of the latest error messages		64
Parameter storage without the need for battery back up.		●
PHYSICAL CHARACTERISTICS		
Dimensions (HxWxL)		200x144x36 mm
Weight		0,9 Kg
Working temperature		- 5°C to 60°C
ELECTRICAL CHARACTERISTICS		
Supplies		
Synchronisation		20...31 Vca
Frequency		50/60 Hz
Power supply		18...28 Vcc
Power rating		12 W
Inputs		
Digital inputs	(18...28V/10mA)	12
Current measuring inputs:	(150mV/kA)	1
Outputs		
Firing outputs	(24VDC/1A, 5 kHz pulses)	1
Digital outputs	(24 VDC/1A)	7
PRODUCTS REFERENCES OF SERRATRON 1A AND ACCESORIES		
Please use the references listed below when ordering.		
PRODUCT	REFERENCE	DESCRIPTION
SERRATRON 1A	91 991 202	Weld controller
TP-10	97 401 002	Hand held programmer
UPF-8a	92 000 013	Machine mounted programmer
CPC-10plc/V24	99 010 017	Programming package for lap top
CPC-10plc/RED	99 010 018	Programming package for networking
CPC-90Adi	97 400 020	PC-interface board for networking