

# Serratron 100

Weld Controller For Ac And Medium Frequency  
Resistance Welding



## Operating modes

- MUX: One thyristor group (AC single phase welding)
- MFI: Medium Frequency Inverter (three phase, Direct Current welding)

## 127 welding programs

- 3 welding times sequence + pulsations + up / down slope
- Operation in phase shifting, Current Monitoring or Constant Current Mode.
- Voltage changes compensation function.
- 1/2 wave welding function.

## Electrode wear compensation

- Predefined curves (can be edited)
- Easy tuning, few parameters to be adjusted

## Tip dressing function Field Bus for robot installations (under request)

- InterBus-STM (SERRATRON 100ib)
- DeviceNet™ (SERRATRON 100net)
- Profibus-DPTM (SERRATRON 100dp)

## Central Programming Network

- Ethernet 10BaseT
- Ethernet 10BaseFL (Optical Fiber) (under request)
- TCP/IP Protocol

## V24/RS-232 Serial Programming Port

- For programming unit TP-10
- For lap-top (software package CPC-100©)

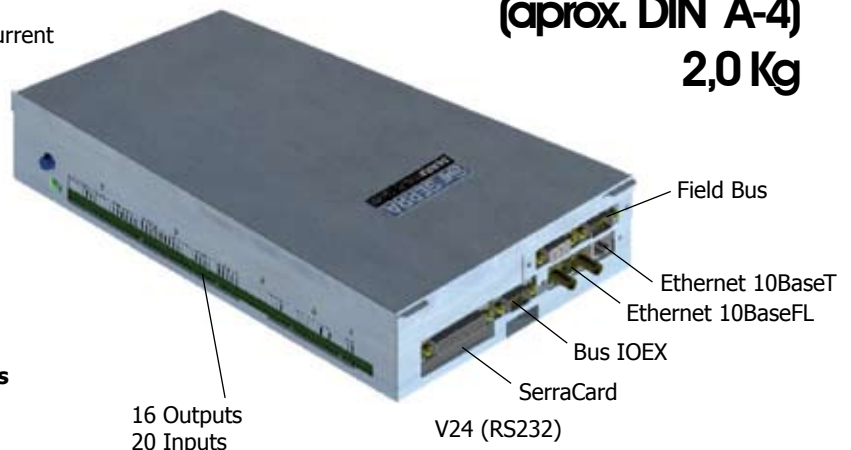
## PLC

- 20 Inputs
- 16 Outputs 0,7 A short circuit protected.
- Up to 132 I + 128 O using expansion module MES 32 (Bus IOEX)
- User interface TP-10: messages and commands managed by PLC program.
- Ladder mode programming (up to 512 equations)
- Marks, latches, timers, counters, welding functions

## Analogue Output for Proportional Valve

- 0 - 10 V / 4 - 20 mA / 0 - 20 mA

Dimensions :300 x 185,5 x 60 mm  
(aprox. DIN A-4)  
2,0 Kg



## SerraCard



## Optional feature.

Compact, high capacity and easy to use memory card, Serra Card is the perfect storage media for a quick loading and unloading of programmable welding parameters, as well as for access restriction to only authorized users.