

## Controller MPS 8043

**For all standard applications 50Hz and 3-phase DC (spot, hump, seam, etc.)**

These resistance welding controls are modern and user-friendly devices.

Are ideal for manual workstations and automated single-user systems.

Only the MPS 8043/1 control stage is suitable for both 50Hz alternating current and 3-phase direct current.



### Standard functions:

#### **MPS 8043/1**

- 100 programs
- 5 counter groups
- single spot, serial spot and seam welding
- upslope and fall
- preheat and postheat function
- impulses
- current increase function (stepper) in 10 steps
- print program
- programmable in half waves
- automatic 50/60 Hz detection
- mains voltage compensation
- score counter
- advance and locking contact
- sequence / programming key switch
- RS 232 serial interface

### Technical data:

- installation dimensions (WxHxD): 450x130x245mm
- command inputs: +24VDC / 20mA
- switching outputs: +24VDC / 200mA each
- solenoid valve outputs: +24VDC / 1,25mA each

### Extended finishes:

#### **MPS 8043/1 P**

- with proportional valve control

#### **MPS 8043 IQ 1 (alternating current version):**

- 50 programs
- secondary current control  
current input in kA
- secondary current monitoring (limit monitoring)
- control stroke limitation

#### **MPS 8043 IQ 2 (direct current version):**

- 50 programs
- secondary current monitoring (limit monitoring)

### Accessories:

- AK 8 terminal board  
connection cable with connection board for MPS 8043
- secondary current measuring belt MB 260
- connection cable MPS-VK2 (to power level)
- connection cable MPS-VK5 (for current measurement signal)

### Suitable thyristor power levels:

- **LE 7 / LE 100:** power level for cabinet installation
- **LE 10/3:** power level for 3-phase direct current

Current: from 45 to 3700A  
Voltage: 400V 50/60Hz  
other voltages on request