

Controller MPS 100 / 200 / 300

For all standard applications 50Hz-technology (spot, projection, seam welding, etc.)

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

The special concept ensures error-free operation through direct dialogue with the user in the respective national language, as well as optimal service due to the simple construction and quick exchangeability.

Basic process functions can be adapted to the respective welding system in a configuration menu.



Standard functions:

- mono:

- 1 program
- single spot, serial spot and seam welding
- upslope and preheat function
- pulses
- programmable in half waves
- automatic 50/60 Hz detection
- mains voltage compensation
- counter for monitoring the electrode life
- advance and locking contact
- plain text display with 2-line LCD display
- national language adjustable
- password protection
- screw connectors

Technical data:

Installation dimensions (WxHxD)

- MPS100 450x130x90mm
- MPS200 160x290x85mm
- MPS300 308x130x70mm

- command inputs: +24VDC / 20mA
- switching outputs: +24VDC / 200mA each
- solenoid valve outputs: +24VDC / 1A each

Extended finishes:

- multi:

- 1 start, 8 programs
- configurable to 2 start version
logic with 2 x 4 external program selection

- R1:

With regulation and monitoring

- secondary current control
current input in kA
- secondary current monitoring (limit monitoring)

Accessories:

- connection plug set
- secondary current measuring belt
- connection cable MPS-VK57 (to power unit)
- connection cable MPS-VK5 (for current measurement signal)

Suitable thyristor power unit:

- **LE 7 / LE 100:** power unit for cabinet installation
- **LE 200:** power unit for installation in MPK housing
- **LE 5001:** power unit for installation in MPG housing

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

Complete devices - Series MPG 200 + MPK 200

Standard equipment MPG 200

- metal housing for universal assembly
- built-in control MPS 200 / 200 R1
- connection cables and connection options
- thyristor power unit LE 5001 / 400V, water-cooled (250, 700, 900, 1440, 2335, 2950 and 3700A)

Dimensions: H: 482mm, W: 203mm, D: 495mm

Paintwork: green, RAL 6011

Additional equipment:

- lockable front door
- measuring belt connector
- main switch



Standard equipment MPK 200

- metal housing for universal assembly
- built-in control MPS 200 / 200 R1
- connection cables and connection options
- load-break switch (main switch)
- thyristor power unit LE 200 / 400V, air-cooled (45 and 200A)
- thyristor power unit LE 200 / 400V, water-cooled (125, 580 and 1135A)

Dimensions: H: 700mm, W: 250mm, D: 500mm

Paintwork: light grey, RAL 7035

Additional equipment:

- lockable front door
- measuring belt connector
- machine control package with safety functions

