



Remote control FPA 9000-RC

# System controller FPA 9000

## System controller with industrial-PC and PLC/CPC-control system

### Standard equipment

- Combination industrial PC and PLC/CPC-control system
- High operational reliability
- Easy of operation
- Choice of language for operator surface
- Optimum control of the welding process
- Integrated laser printer (A4) for data documentation
- Remote diagnosis via modem
- Electric cabinet with built-in fans

### Industrial PC/software:

- Data input
- Data recording (welding programs)
- Process-visualization
- Welding data documentation
- Intel CPU
- 12,1" TFT-display
- 30 GB hard-disc
- 3,5" Floppy-disc drive
- CD-Rom drive for FPA 9000 online-documentation
- Windows operating system
- Function-keys for operating
- No PC-knowledge necessary
- Error-indication via text on screen (IPC)

### PLC/CPC-control

- Addressing and control of welding power source
- Addressing and control of axis movements
- Programmable axis  
(2 linear axes, 1 rotation axis, 1 wire axis)

### Standard software-functions:

- Addressing welding process TIG hotwire
- Addressing speed adjust
- Addressing AVC (cross-slide system)
- Addressing touch & retract
- Addressing OSC - torch oscillation
- Selectable data display / data input in cm or inch

### Remote control unit FPA 9000-RC with cable/10 m

- Display with 8 lines and 20 digits
- 35 membrane function keys (high-intensity LED's)

### Functions:

- Load welding programs
- Start/stop welding programs
- Welding-parameter correction
- Manual positioning of axes
- Display of actual values



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## Options

- Addressing double head station (2 welding systems)
- Addressing arc length control AVC
- Addressing torch oscillation - OSC
- Addressing oscillation function on linear axes (cross slide)
- Addressing purging gas (Plasma)
- Addressing 2 rotation axes (switch over)
- Addressing ETR-S (Endless Torch Rotation System)
- Installed optical operating condition indication
- Installed actual value recording on file
- Software 'Bore-to-bore', 'Racetrack', 'Ball-cladding', 'Ring groove center'
- Installed Network connection
- Software FPA 9000 for Off-line operation on PC
- Customized software

## Process

TIG AC/DC, TIG AC/DC cold-/hotwire, MIG/MAG, Plasma

## Accessories

- Customized mechanical construction
- Gantry
- Driving vehicle
- Column and boom
- Turntable/positioner
- Cross-slide system
- AVC-slide
- OSC-slide
- Camera-system
- Seam tracking systems
- Power source
- Wire feeder
- ETR-S endless torch rotation system
- Machine torch
- Uptake and adjustment devices
- Connection lines
- Preheating device

## Recommended areas of use

FPA Fronius process automation are universal and functional useable for welding mechanization and configurable on customized requests.

Technical data	FPA 9000
Mains voltage	230 V/50-60 Hz
Mains fuse	16 A
Servomotor-controller	DC 4 Q +/- 0-10 V
Dimensions l x w x h	600 x 600 x 1820 mm
Net weight electric cabinet	150 kg
Mains cable FPA 9000	5 m with plug

Technical data	Remote control FPA 9000-RC
Operating temperature	0-50 °C
Protection class	24 V
Mains fuse	IP 65
Dimensions l x w x h	280 x 180 x 100 m
Net weight	150 kg



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