



# ROBO- MICORMIG



## Process table

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
| MIG-MAG |  |  |  |  |  |  |
|         | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>  |
|         | standard for all models   | standard for all models   | optionally available  | standard for certain models   | optionally available  | optionally available  |



## Operation concepts

|   |  |
|---|--|
|    |   |
| <b>BasicPlus</b> <ul style="list-style-type: none"> <li>■ "3 steps to weld" operating concept</li> <li>■ Digital volt and ampere display</li> <li>■ 7-stage arc dynamic control (via operating panel), infinitely variable via robot interface</li> <li>■ Welding program selection via numeric input</li> <li>■ NFC functionality (e.g. welding program extensions)</li> </ul> | <b>ControlPro</b> <ul style="list-style-type: none"> <li>■ "3 steps to weld" operating concept</li> <li>■ Digital volt and ampere display</li> <li>■ High-luminosity graphic display (OLED) for displaying the 3rd main parameter and job operation</li> <li>■ Intuitive, display-controlled user prompting</li> <li>■ Welding program selection by easy-to-understand menu structure</li> <li>■ 21-stage arc dynamic control (via operating panel), infinitely variable via robot interface</li> <li>■ NFC functionality (e.g. welding program extensions)</li> <li>■ Tiptronic job memory for 100 welding tasks</li> </ul> |

# TECHNICAL DATA

|   |  |  |  |  |
|---|---|---|---|---|
|   | Robo-MicorMIG 300   | Robo-MicorMIG 350   | Robo-MicorMIG 400   | Robo-MicorMIG 500   |
| MIG-MAG   |   |   |   |   |
| - Welding range (in A)                              | 25-300  | 25-350  | 30-400  | 30-500  |
| - voltage setting                                   | infinitely variable   | infinitely variable   | infinitely variable   | infinitely variable   |
| Duty cycle  |   |   |   |   |
| - duty cycle 100% 40 °C (in Amps)                   | 200   | 250   | 300   | 370   |
| - duty cycle 60% 40 °C (in Amps)                    | 250   | 300   | 370   | 430   |
| - duty cycle at max. current 40 °C (in %)           | 45%   | 45%   | 45%   | 45%   |
| Feeder and wire                                     |   |   |   |   |
| - wire feed unit                                    | 4 rolls (2 driven)  | 4 rolls (2 driven)  | 4 rolls (2 driven)  | 4 rolls (2 driven)  |
| - weldable wires steel (in mm)                      | 0,6-1,2   | 0,6-1,2   | 0,6-1,6   | 0,6-1,6   |
| - weldable wires aluminium (in mm)                  | 1,0-1,2   | 1,0-1,2   | 1,0-1,6   | 1,0-1,6   |
| Mains   |   |   |   |   |
| - mains voltage (in V)                              | 400   | 400   | 400   | 400   |
| - phases (50/60 Hz)                                 | 3~  | 3~  | 3~  | 3~  |
| - positive mains tolerance (in %)                   | 15%   | 15%   | 15%   | 15%   |
| - negative mains tolerance (in %)                   | 15%   | 15%   | 15%   | 15%   |
| - mains fuse (in Amps)                              | 32  | 32  | 32  | 32  |
| - mains plug  | CEE 32  | CEE 32  | CEE 32  | CEE 32  |
| Dimensions and weights                              |   |   |   |   |
| - power source dimensions (LxWxH) A version (in mm) | 740x335x785   | 740x335x785   | 740x335x785   | 740x335x785   |
| - weight, power source A-version gas-cooled (in kg) | 51  | 58  | 61  | 64  |
| - weight, water cooling (filled) (in kg)            | 13.0  | 13.0  | 13.0  | 13.0  |
| Standards and approvals                             |   |   |   |   |
| - standard  | EN 60974-01   | EN 60974-01   | EN 60974-01   | EN 60974-01   |
| - protection class (EN 60529)                       | IP23S   | IP23S   | IP23S   | IP23S   |
| - insulation class                                  | F   | F   | F   | F   |
| - designation                                       | CE, S   | CE, S   | CE, S   | CE, S   |

## Versions

|   |   |
|---|---|
|  |  |
| <b>Power source</b>   | <b>Remote power source</b>  |
| Robot power source with integrated control panel (stationary or mobile)             | Robot power source with separate remote control panel (stationary or mobile)        |