

SHORT-INFO

M-Pro 300

MIG-MAG at the highest level using mixed gas and CO₂.

- TipTronic
- Automatic setting control
- Intuitive operation
- Separate feeder case
- Precise wire feeding



At a glance

TipTronic

Using the TipTronic facility, you save your ideal setting for each weld so that you can effortlessly retrieve the settings one at a time using the Up-Down torch when performing recurring welding tasks.

Automatic setting control

The automatic setting control lets you find the welding parameter setting that works best for you. Start by selecting the desired material/wire/gas combination from the synergic line-program table. Next, set the number corresponding to the welding program using the selector switch in the wire feeder housing. When working with the Performance operating panel, you make your selection entirely on the OLED display.

Intuitive operation

Thanks to the clearly structured user interface and the slanted operating panel, the device control remains well visible throughout operation and affords the user an ergonomic operating position.

Energy-efficient

Energy management is a standard feature built into every model of the Lorch M-Pro series. The energy saving features include a fan that only comes on only when necessary in order to cut down on unnecessary energy consumption during stand-by.

Industrial housing

The housing of Lorch's M-Pro series has been designed specifically to meet the requirements of industrial enterprises. This compact and rugged housing allows you to easily stow your power source under the workbench or use its top side as a storage surface for your equipment.

Benefits

Colour-coded feed rolls

Lorch's colour-coded feed rolls of the Lorch M-Pro series represent different wire diameters and make replacing the rolls a walk in the park.

Compartment lighting

The powerful LEDs integrated into the compartment of the wire feeder make it much easier for you to change the reel and thread in the wire even in complete darkness or low light conditions.

Wire feeder

Lorch's 2-roll or 4-roll precision feeder guarantees fine pressure adjustment, minimal wire deformation and exact wire alignment.

Cylinder trolley

Thanks to the low receiving surface of Lorch's cylinder trolley, changing cylinders with a capacity of 50 litres is completely effortless.

Controlconcept

BasicPlus

- With automatic setting control
- 2-roll wire feeder
- User-oriented operator guidance using illuminated symbols



ControlPro

- With automatic setting control
- 4-roll wire feeder
- Volt and ampere display
- User-oriented operator guidance using illuminated symbols



Performance

- With automatic setting control
- 4-roll wire feeder
- Volt and ampere display
- 21 voltage levels
- Cutting-edge operating concept including graphical display (OLED)
- TipTronic
- Powermaster torch remote control



Technical Data: M-Pro series

| | M-Pro 150 CuSi | M-Pro 170 | M-Pro 200 CuSi | M-Pro 210 | M-Pro 250 | M-Pro 300 |
|---|-----------------------|------------------|-----------------------|------------------|------------------|------------------|
| MIG-MAG | | | | | | |
| Welding range (in A) | 15-150 | 25-170 | 15-200 | 25-210 | 30-250 | 30-300 |
| voltage setting | 7 steps | 6 steps | 12/21 steps | 12 steps | 12/21 steps | 12/21 steps |
| Duty cycle | | | | | | |
| duty cycle 100% 40 °C (in Amps) | 100 | 70 | 100 | 75 | 150 | 170 |
| duty cycle 60% 40 °C (in Amps) | 120 | 85 | 130 | 90 | 185 | 205 |
| duty cycle at max. current 40 °C (in %) | 40% | 15% | 20% | 15% | 25% | 25% |
| Feeder and wire | | | | | | |
| wire feed unit | 2/4 rolls | 2 rolls | 4 rolls | 2/4 rolls | 2/4 rolls | 2/4 rolls |
| weldable wires steel (in mm) | 0,6-1,0 | 0,6-0,8 | 0,6-1,0 | 0,6-1,0 | 0,6-1,0 | 0,6-1,2 |
| weldable wires aluminium (in mm) | 0,8-1,0 | 1,0 | 0,8-1,2 | 1,0-1,2 | 1,0-1,2 | 1,0-1,2 |
| weldable wires CuSi (in mm) | 0,8-1,0 | --- | 0,8-1,0 | --- | --- | --- |
| Mains | | | | | | |
| mains voltage (in V) | 400 | 230 | 400 | 230 | 400 | 400 |
| phases (50/60 Hz) | 3~ | 1~ | 3~ | 1~ | 3~ | 3~ |
| Mains voltage 2 (in V) | --- | 400 | --- | 400 | --- | --- |
| positive mains tolerance (in %) | 15% | 15% | 15% | 15% | 15% | 15% |
| negative mains tolerance (in %) | 15% | 15% | 15% | 15% | 15% | 15% |
| mains fuse (in Amps) | 16 | 16 | 16 | 16 | 16 | 16 |
| mains plug | CEE 16 | Schuko/CEE 16 | CEE 16 | Schuko/CEE 16 | CEE 16 | CEE 16 |

Dimensions and weights

Changes under reserve

| | | | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| dimensions (LxWxH) (in mm) | 880x400x755 | 880x400x755 | 880x400x755 | 880x400x755 | 880x400x755 | 880x400x755 |
| weight (in kg) | 66 | 65 | 68 | 69 | 71 | 80 |

Standards and approvals

| | | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| standard | EN 60974-01 | EN 60974-01 | EN 60974-01 | EN 60974-01 | EN 60974-01 | EN 60974-01 |
| protection class (EN 60529) | IP23S | IP23S | IP23S | IP23S | IP23S | IP23S |
| insulation class | F | F | F | F | F | F |
| designation | CE, S | CE, S | CE, S | CE, S | CE, S | CE, S |