SHORT-INFO

M-Pro 300

MIG-MAG at the highest level using mixed gas and CO_2.

- 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						

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