MICORMIG SERIES

LORCH
smart welding

Process table

MIG-MAG	■	■	■	□ CuSi	□ Speed Arc	□ Speed Up		
Electrode	■	■ HOT	■ ANTI STICK	■ ARC	□ VRD	□ CEL		
TIG	□	□						
Gouging	□							

■ standard for all models ◪ standard for certain models □ optionally available

Operation concepts

Basic

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- digital volt-ampere display
- Activation of end crater filling as necessary
- 3-stage arc dynamic control

BasicPlus

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Volt-ampere display
- Crater filling (can be adjusted in the submenu)
- 7-stage arc dynamic control
- with automatic setting control (synergic function)
- Welding program selection in the feed compartment
- Switch-over 2-cycle/4-cycle/spot welding/ interval welding
- Fully upgradeable

ControlPro

- "3 steps to weld" operating concept
- infinitely adjustable welding current setting
- Volt-ampere display
- high-luminosity graphic display (OLED) for display of the 3rd main parameter
- Convenient, intuitive menu guidance
- can switch to crater filling (can be set in the submenu)
- 21-stage arc dynamic control
- with automatic setting control (synergic function)
- Welding program selection in the feed compartment
- Switch-over 2-stroke/4-stroke/spot welding/interval welding
- Tiptronic job memory for 100 welding tasks
- fully upgradeable

TECHNICAL DATA

	 MicorMIG 300	 MicorMIG 350	 MicorMIG 400	 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%
- max. negative mains tolerance at reduced output power (in %)	30%	30%	30%	30%
- 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)	880x490x885	880x490x885	880x490x885	880x490x885
- power source dimensions (LxWxH) B version (in mm)	880x490x955	880x490x955	880x490x955	880x490x955
- weight, power source A-version gas-cooled (in kg)	58	58	61	66
- weight, wire feed case (workshop version) (in kg)	10.6	10.6	10.6	10.6
- 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

	
A-system	**B-system**
Mobile compact system with integrated wire feeder; elevated design with widened wheel base	Mobile wire feeder system with wire feeder in detachable wire feeder case, elevated design with widened wheel base

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