



WMP08



Single-hand push welding machine for automotive engineering, tank and steel cabinet engineering, sheet metal processing, wire industry and for micro welding guns

- trouble-free welding of all types of sheet metal
- faultless welding of galvanized sheet using slope control and lowering current control
- air-cooled, equipped for external water cooling
- floor-mounted appliance or mobile appliance available
- easy replacement of tools due to standardized rotatable connections
- respectively only one plug for welding current line, control wire and water cooling
- repeatable welding results at any time with installed automatic energy control
- quick electrode removal
- rugged body with different retainers for tube, cable, etc.

	WMP08
Nominal capacity (at 50% ED)	8 kVA
Permissible voltage drop at nominal capacity	6%
Nominal primary voltage	400 V
Supply frequency	50 Hz
Settings	-
Welding capacity for steel*	0.8 + 0.8 mm
Connection section	4 (3) x 6 mm ²
Secondary short circuit current at cable section 100 mm ² cable spacing 100 mm cable length 2 m	4.5 kA
Fuse, delayed action, at welding cable length of 2 m	32 A
Secondary open-circuit voltage	6.8 V
Cooling water requirement for water cooling	200 l/h
Dimensions: Length	650 mm
Width	300 mm
Height	370/450 mm
Weight	60 kg

*blank and equally strong or any strength material

Order-numbers:

WMP08-01 (floor-mounted): **XR0.405.C02B000**
WMP08-02 (mobile): **XR0.405.C03B000**



WMP15



Single-hand push welding machine for automotive engineering, tank and steel cabinet engineering, sheet metal processing, wire industry and for micro welding guns

- trouble-free welding of all types of sheet metal
- faultless welding of galvanized sheet using slope control and lowering current control
- air-cooled, equipped for external water cooling
- floor-mounted appliance or mobile appliance available
- easy replacement of tools due to standardized rotatable connections
- respectively only one plug for welding current line, control wire and water cooling
- repeatable welding results at any time with installed automatic energy control
- quick electrode removal
- rugged body with different retainers for tube , cable, etc.

	WMP15-01, -02	WMP15S
Nominal capacity (at 50% ED)	15 kVA	36 kVA
Permissible voltage drop at nominal capacity	6%	6%
Nominal primary voltage	400 V	400 V
Supply frequency	50 Hz	50 Hz
Settings	4	-
Welding capacity for steel*	1.0 + 1.0 mm	1.0 + 1.0 mm
Connection section	4 (3) x 6 mm ²	4 (3) x 16 mm ²
Secondary short circuit current at cable section 100 mm ² cable spacing 100 mm cable length 2 m	4.5 kA	6.3 V
Fuse, delayed action, at welding cable length of 2 m	35 A	63 A
Secondary open-circuit voltage	5.2-8.2 V	6.3 V
Cooling water requirement for water cooling	200 l/h	200 l/h
Dimensions: Length	650 mm	650 mm
Width	300 mm	300 mm
Height	450 mm	450 mm
Weight	60 kg	60 kg

*blank and equally strong or any strength material

Order-numbers:

WMP15-01 (stationary):	XR0.451.C09B000
WMP15-02 (mobile):	XR0.451.C10B000
WMP15S (mobile):	XR0.418.C01B000

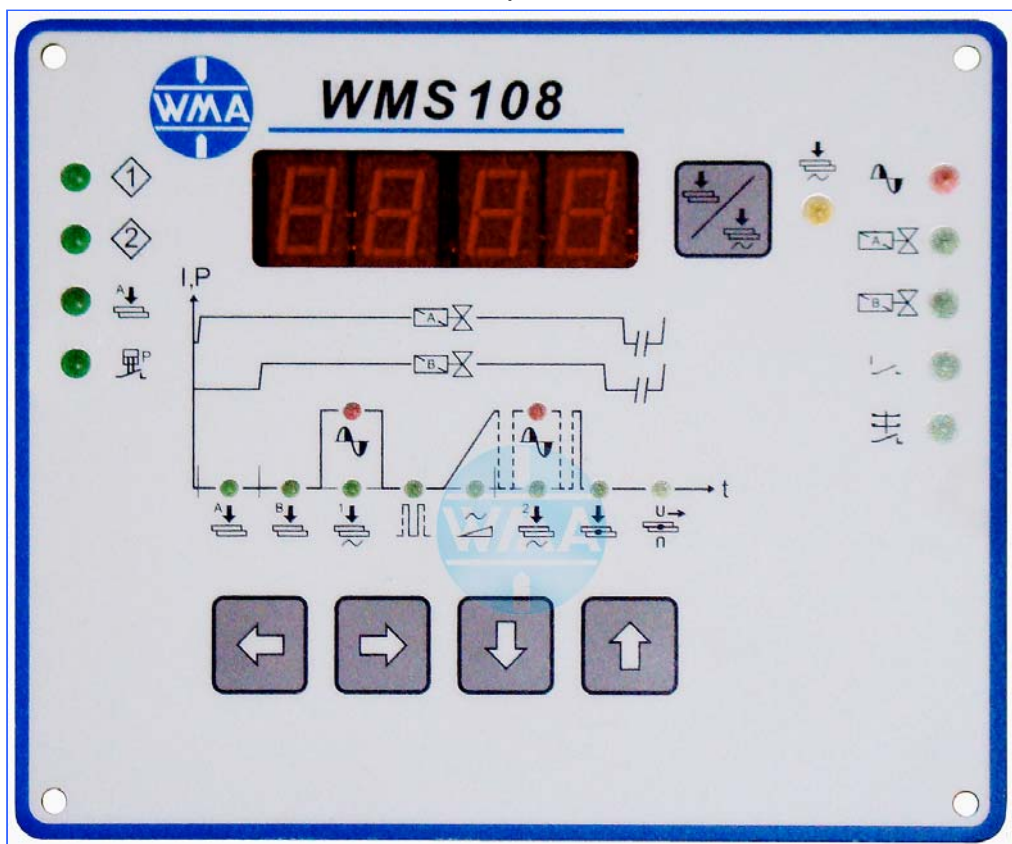


Micro welding controls

Version: 01-2011

WMS108 Microprocessor thyristor controls

- 7-times
- 8 programs
- Built-in device
- automatically mains frequency recognition 50/60 Hz
- spannungsausfallsichere Speicherung der Parameter
- „with/without current“ switch over per button



Order-number: XS7.701.002 (without housing)

We reserve the right to make changes which are in the interest of technical progress.

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Micro welding controls-3



Über fünf Flachbett-Folientasten sind folgende Funktionen anwählbar:

- Program number	Pr	1– 8
- Retract time	VHZ-A	0 – 99 periods
- Squeeze	VHZ-B	1 – 99 periods
- Current time 1	SZ 1	0 – 9.5, 10 – 99 periods
- Welding current 1	St 1	1 – 99 Skt. (linear verteilt über den ansteuerbaren Bereich)
- Cooling time (Pause)	PA	0 – 99 periods
- current ramp response	SAZ	0 – 9.5, 10 – 20 periods
- Current time 2	SZ 2	0.5 - 9.5, 10 – 99 periods
- Welding current 2	St 2	1 – 99 Skt. (linear verteilt über den ansteuerbaren Bereich)
- Impulse	PU	1– 9
- Dwell time	NHZ	1 – 99 periods
- Open-holding time	OHZ	0 – 99 periods

Zusätzliche Konfigurationsparameter (for Benutzer gesperrt):

- Programmwahl
- Fortschaltkontakt
- Zeit Fortschaltkontakt
- Zweihandverriegelung (Check)
- Verriegelung Startsignal
- Stromflusskontrolle
- Ansprechschwelle Stromflusskontrolle
- Überwachungszeit Stromflusskontrolle
- Anpassung des Leistungsfaktors
- Verzögerung 1. Halbwelle

Extern Inputs (24V, DC stabilisiert und schaltend)

- Thermoschalter Thyristortemperatur
- NOTAUS
- Start 1
- Start 2 *
- Druckkontakt
- Program 1 *
- Program 2 *
- Retract ON
- Programmunterbrechung nach Vorhaltezeit (only force)
- Zweihandverriegelung (Check) *

* diese Funktionen können über Konfigurationsparameter aktiviert oder gesperrt werden.

Extern Outputs (24V, DC unstabil ± 20%; + schaltend, max. 5 W):

- Electro valve retract
- Electro valve welding
- Relais Fortschaltkontakt
- Relais Betriebsbereit



Micro welding controls

Version: 01-2011

G-Series (in extracts!)



GDC100

DC-Generator

30 welding programs

max. power	100 W/s
Capacitor	4000 μ F
max. voltage	250 V
Short discharge	4 ms, 6200 A
Middle discharge	6,2 ms, 5400 A
Long discharge	7,5 ms, 4700 A
mains voltage	220 V / 50 Hz
Dimensions	H 295 x W 375 x D 440 mm
Weight	44 kg



GAC B 20

AC-Generator

for hard soldering and welding

Output voltage	6 V
Intensity	20 kA
Mains voltage	230-400 V
Dimensions	
Height	336 mm
Width	210 mm
Depth	430 mm
Weight	96 kg

WMA is SOUDAX general distributor for Germany and Austria!

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Micro welding controls-5



Micro welding controls

Version: 01-2011



GMF 15kA

Mid frequency Generator

60 welding programs

Connection voltage 400 V, three phases

Nominal frequency 50-60 Hz

Input current 32 A

Output voltage 15 V

Output current 15 kA

Frequency 2000 Hz

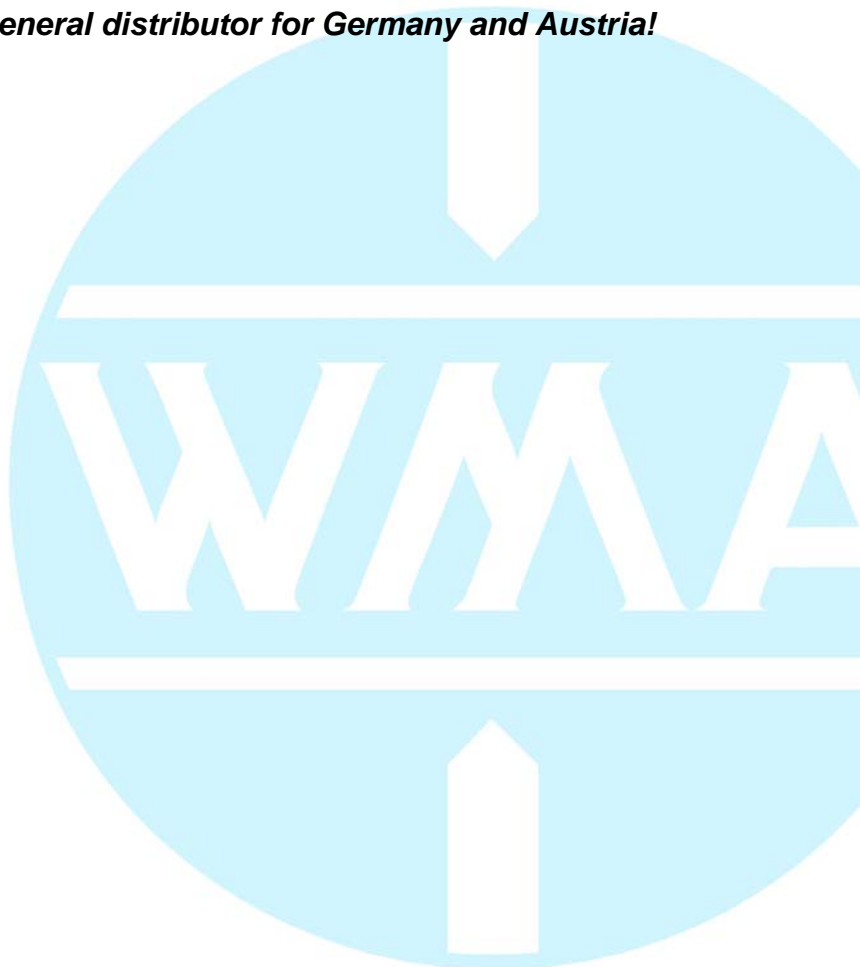
Welding time 0-1200 ms in 1 ms steps

Ramp 1 up to 200 ms

Dimensions H 330 x W 425 x D 440 mm

Weight 64 kg

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Micro welding controls-6