

## SPARTUS® MasterMIG 250 Dual Pulse



## SPARTUS® MasterMIG 250 Dual Pulse

Product code:

MasterMIG250 DualPulseSynergy



Standard equipped: • Device SPARTUS® MasterMIG 250 Dual Pulse Synergy • 3m work clamp • Gas hose • User's manuals

### Product description

## MULTOPROCESS, SYNERGIC MIG WITH DOUBLE PULSE

**SPARTUS® MasterMIG 250 Dual Pulse** is a modern multi-functional inverter device for welding with MIG/MAG, TIG and MMA methods. During its production, modern technologies were used, such as: IGBT transistors, PWM, MCU control system. The device is powered from a 400V three-phase network and enables welding with a current of up to 250A for all three methods.

**MasterMIG 250 Dual Pulse** have a number of modern functions necessary for high-performance and high-quality MIG/MAG welding of materials such as steels, stainless steels, acid-resistant steels and aluminum alloys. It will be used especially when welding aluminum and its alloys, thanks to the use of advanced functions, dedicated to welding demanding alloys.

The most important functions:

- **1P (Pulse)** – MIG/MAG welding with pulsation, which significantly facilitates obtaining a spray arc
- **2P (Dual Pulse) – MIG/MAG welding with double pulsation**
- Welding in two operating modes 2T/4T
- Spot welding

The use of double pulsation in the MIG/MAG method allows obtaining a weld of quality and aesthetics comparable to the TIG method. The benefits of using double pulsation in the MIG/MAG method:

- High aesthetics (husk effect)
- Higher welding efficiency compared to the TIG method
- Smaller thermal deformations compared to the TIG method
- When welding aluminum requires less skill from the operator in relation to the TIG method

Simple to use and intuitive function panel allows precise control of parameters for MIG/MAG, TIG and MMA methods. For the MIG/MAG methods it is possible to smoothly adjust the welding parameters such as: welding voltage, wire feed speed, inductance. In addition, the device is equipped with synergic programs in which the parameters are programmed – according to the welding mode and the material being welded.

**MasterMIG 250 Dual Pulse** is equipped with a professional four-roll wire feeder, which allows you to work with a long welding handle regardless of the type of wire used. Despite the small compact size and weight, the device is compatible with standard spools with welding wire D200 and D300 weighing up to 15kg.

Examples of applications: workshop work, renovation works in the field, automotive – welding of galvanized car bodies (brazing), muffler welding, production sector, light industry, high-performance aluminum welding.

## Technical parameters

<b>Input</b>	~3× 400V ± 10% 50 / 60 Hz
<b>Welding current MIG [A]</b>	15 - 250
<b>Duty cycle MIG [%]</b>	60% - 250A / 100% - 195A
<b>Output working voltage [V]</b>	14,8 - 26,5
<b>Wire feeding speed [m/min]</b>	1,5 - 24
<b>Wire feeder</b>	built-in, 4-roll gear
<b>Welding wire spool [kg]/[mm]</b>	≤ 15 / 200/300
<b>Wire diameter Ø [mm]</b>	0,8, 1,0, 1,2
<b>Additional features</b>	pulse, 2T/4T control , Arc Force, Hot Start, VRD, Burn Back, inductance control, synergy, SPOT, synergistic program, Slow feed, MMA welding, Pre-gas, Post-gas
<b>Post-gas [s]</b>	0 - 10
<b>1P - with pulse</b>	20 programs
<b>2P - with dual pulse</b>	20 programs
<b>SYNERGY - without pulse</b>	17 programs
<b>dPC (pulse current delta)</b>	10 - 200[A]
<b>FdP (2P frequency)</b>	0,5 - 3,0 [Hz]
<b>dut (double pulsation width)</b>	10 - 90[%]
<b>bAL (arc length of the current)</b>	-10 - +10
<b>SCP (initial current)</b>	10 - 200[%]
<b>SAL (initial current arc length)</b>	-10 - +10
<b>ECP (final current)</b>	10 - 200[%]
<b>EAL (final current arc length)</b>	-10 - +10
<b>Welding current TIG [A]</b>	10 - 250
<b>Contactless pilot arc ignition</b>	Lift
<b>Down slope [s]</b>	0 - 10
<b>Welding current MMA [A]</b>	10 - 250
<b>Current consumption [A]</b>	MIG 15,1 / MMA 18,2 / TIG 13,3
<b>Power factor (cosφ)</b>	0,70
<b>Efficiency η [%]</b>	85
<b>Insulation class</b>	H
<b>Protection class</b>	IP23
<b>Weight [kg]</b>	25,5
<b>Dimensions [mm]</b>	670 x 240 x 450

PRODUCT CATEGORIES: [WELDING MACHINES](#)

NW ® is independent subject and not connected to ABITIG®, AMPHENOL®, ASPA®, BESTER®, BINZEL®, CEA®, CEBORA®, ESAB®, EWM®, FALTIG®, FRO®, FRONIUS®, HARRIS®, HYPER THERM®, KJELLBERG®, L-TEC®, LINCOLN®, MAGNUM®, OTC®, SAF®, SHERMAN®, TELWIN®, THERMAL DYNAMICS®, TRAFIMET®, TUCHEL®.

Reference numbers and names belonged to above companies were called due to Property Right Law for buyer's convenience and they are related to code and spare part's description.

The products do not constitute an offer within the meaning of the Civil Code.