

SPARTUS® MasterMIG 250W Dual Pulse



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Product code:

MasterMIG250W DualPulseSynergy



Standard equipped: • **Device SPARTUS® MasterMIG 250W Dual Pulse Synergy** • Cooler • Driving set • 3m work clamp • Gas hose • User's manual

Product description

MULTOPROCESS, SYNERGIC MIG WITH DOUBLE PULSE

SPARTUS® MasterMIG 250W 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.

SPARTUS® MasterMIG 250W 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:

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

• **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.

SPARTUS® MasterMIG 250W 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

Input	~3× 400V ± 10% 50 / 60 Hz
Welding current MIG [A]	15 - 250
Duty cycle MIG [%]	60% - 250A / 100% - 195A
Output working voltage [V]	14,8 - 26,5
Wire feeding speed [m/min]	1,5 - 24
Wire feeder	built-in, 4-roll gear
Welding wire spool [kg]/[mm]	≤ 15 / 200/300
Wire diameter Ø [mm]	0,8, 1,0, 1,2
Additional features	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
Water cooler	Yes
Capacity	5l
Post-gas [s]	0 - 10
1P - with pulse	20 programs
2P - with dual pulse	20 programs
SYNERGY - without pulse	17 programs
dPC (pulse current delta)	10 - 200[A]
FdP (2P frequency)	0,5 - 3,0[Hz]
dut (double pulsation width)	10 - 90[%]
bAL (arc length of the current)	-10 - +10
SCP (initial current)	10 - 200[%]
SAL (initial current arc length)	-10 - +10
ECP (final current)	10 - 200[%]
EAL (final current arc length)	-10 - +10
Welding current TIG [A]	10 - 250
Contactless pilot arc ignition	Lift
Down slope [s]	0 - 10
Welding current MMA [A]	10 - 250
Current consumption [A]	MIG 15,1 / MMA 18,2 / TIG 13,3
Power factor (cosφ)	0,70
Efficiency η [%]	85
Insulation class	H
Protection class	IP23
Weight [kg]	62,6
Dimensions [mm]	1100 x 580 x 700

PRODUCT CATEGORIES: [WELDING MACHINES](#)

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