



SYNERGY PARAMETERS

Material	Wire Diameter (mm)	Shielding Gas
FE-metal Solid-cored	0.8 / 1.0 / 1.2 / 1.6	CO ₂ / Ar+CO ₂ 20%
FE-metal Flux-cored	1.0 / 1.2 / 1.6	CO ₂
SS-metal Solid-cored	0.8 / 1.0 / 1.2 / 1.6	Ar+O ₂ 2%
Al-Mg Solid-cored	1.0	Ar
CuSi	1.0	Ar

TECHNICAL PARAMETERS

Input [V]	Welding current [A]	Duty cycle [%]	Wire feeder	Welding wire spool [kg]/[mm]	Wire diameter [mm]	Weight [kg]	Dimensions [mm]
400	MIG 30 - 500 TIG 10 - 500 MMA 10 - 500	60	separate, 4-roll gear	≤ 15 / Ø200/300	0.8 / 1.0 / 1.2 / 1.6	101.5	1100 × 500 × 1460

Additional Features: pre gaz, post gaz, 2T / 4T operating mode, Spool Gun, synergy, Hot Start, Arc Force.

DESCRIPTION

SPARTUS® ProMIG 505

SPARTUS® ProMIG 505 is high-end, modern inverter welding machine constructed on the basis of advanced PWM technology and professional IGBT transistors. It enables MIG / TIG DC and MMA welding with a current up to 500A. It is powered from three phase 400V source power. The device offers a wide range of possibilities for the above-mentioned methods of joining metals.

ProMIG 505 is equipped with a synergistic system for MIG / MAG welding with the possibility of selecting the following programs: for mill steel, stainless steel, aluminum welding; self-shielding wire welding and braze welding. It is possible to manually correct the parameters. In addition, the device has a number of functionalities supporting the welding process in the MIG methods: 2T/4T Trigger Control, Burn Back, Slow Feed, Pre Gas and Post Gas.

Separate high-class four-roller feeder ensures stable wire feeding. An important advantage is also the possibility of welding with the Spool Gun.

Thanks to the solutions used, the **ProMIG 505** also enables advanced welding with the TIG Lift method. **ProMIG 505** has functions supporting the welding process in TIG methods: 2T/4T Trigger Control, Down Slope.

The process of joining metals in MMA method is additionally supported by functions Arc Force and Hot Start.

Modern design, LCD function panel and the possibility of wireless control in combination with high-class components makes the **SPARTUS® ProMIG 505** stand out on the market.

The professional device of the **SPARTUS® Pro** line is perfect suited to the production sector and industry.



STANDARD:

Separated wire feeder 4R

Cooler

Coolant 5l

Driving set

3m mass cable with screw clamp

User's manual

PACKAGE:

Separated wire feeder 4R

Cooler

Coolant 5l

Driving set

MIG gun SPARTUS® SPP 501

5m connection cable set

3m electrode holder

3m mass cable with screw clamp

User's manual

