



## SYNERGY PARAMETERS

| Material             | Wire Diameter (mm)    | Shielding Gas                            |
|----------------------|-----------------------|------------------------------------------|
| FE-metal Solid-cored | 0.8 / 1.0 / 1.2 / 1.6 | CO <sub>2</sub> / Ar+CO <sub>2</sub> 20% |
| FE-metal Flux-cored  | 1.0 / 1.2 / 1.6       | CO <sub>2</sub>                          |
| SS-metal Solid-cored | 0.8 / 1.0 / 1.2 / 1.6 | Ar+O <sub>2</sub> 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<br>TIG 10 – 500<br>MMA 10 – 500 | 60             | separate,<br>4 - roll gear | ≤ 15 / Ø200/300              | 0.8 / 1.0 / 1.2<br>/ 1.6 | 101.5       | 1100 × 500 × 1460 |

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

**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 perfectly 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

