

# VARMIG PROFIMIG 1605D, 2005D

RELIABLE AND EFFICIENT PARTNER, EVEN  
FOR THE MOST DEMANDING FIELD AND  
WORKSHOP USE



- ✓ EASY TO HANDLE
- ✓ LIGHTWEIGHT
- ✓ MULTIFUNCTIONAL



| Material        | Welding process | Welding wire diameter | Gas                             |
|-----------------|-----------------|-----------------------|---------------------------------|
| Steel           | MIG/MAG         | 0.6 - 0.8 - 1.0       | 100 % CO <sub>2</sub>           |
|                 |                 | 0.6 - 0.8 - 1.0       | 82 % Ar + 18 % CO <sub>2</sub>  |
|                 |                 | 0.9                   | flux core wire                  |
| Stainless steel |                 | 0.6 - 0.8 - 1.0       | 97.5 % Ar + 2.5 CO <sub>2</sub> |
| Steel           | MMA             | Ø2.5; Ø3.25           | /                               |
| Stainless steel |                 |                       |                                 |
| Steel           | liftTIG         | /                     | 100 % Ar                        |
| Stainless steel |                 |                       |                                 |







USER-FRIENDLY DISPLAY

Where you can easily select and verify the choice of gas, welding modes, welding voltage, welding current, wire diameter and other welding variables.

MIG / MAG WELDING

SYNERGY

The welding wire feed speed is adjusted to the welding current. The option of the synergy shutdown function allows the welder to independently adjust the welding current and welding voltage.

2T / 4T MODE SELECTION

In 2T welding mode, the welding arc works while you hold down the button on the welding torch. In 4T mode, you can sustain the welding arc without the need to continuously press the button; to deactivate welding, you simply press the button again.

INDUCTIVITY

Weld pool compactness setting: hard / softer electric welding arc.

ELECTRODE WELDING

ADJUSTABLE HOT START

With an adjustable hot start setting from 0 to 10, this feature allows you to start welding by raising the current, ensuring a better and more stable initial weld pool. Ideal for beginners, it offers improved control and a reliable start every time.

ADJUSTABLE ARC FORCE

The advanced function that ensures stable and flawless welding offers full control over the electric arc during the welding process, helping to achieve flawless and solid weld joints. Adjustable arc force settings from 0 to 10 make welding easier even for beginners.

ANTI-STICK

Reducing the output power of the welding machine when it detects that the electrode is sticking to the workpiece, which makes it easier to detach the electrode and continue welding without interruption.

RUTILE AND BASIC ELECTRODES

Welding machines VARMIG enable welding with both rutile and basic electrodes.

| Model                   |      | VARMIG 1605D PROFIMIG    |               |            | VARMIG 2005D PROFIMIG    |               |            |
|-------------------------|------|--------------------------|---------------|------------|--------------------------|---------------|------------|
| Welding method          |      | MIG / MAG                | MMA           | liftTIG    | MIG / MAG                | MMA           | liftTIG    |
| Welding current range   |      | 50 - 160 A               | 10 - 160 A    | 10 - 160 A | 50 - 200 A               | 10 - 160 A    | 10 - 200 A |
| Duty Cycle (ED / 40 °C) | 60%  | 92 A                     | 87 A          | 92 A       | 100 A                    | 92 A          | 115 A      |
|                         | 100% | 72 A                     | 67 A          | 72 A       | 77 A                     | 72 A          | 89 A       |
| Wire diameter (Ø)       |      | 0.6 - 0.8 - 0.9 - 1.0 mm | /             | /          | 0.6 - 0.8 - 0.9 - 1.0 mm | /             | /          |
| Electrode Diameter (Ø)  |      | /                        | 2.5 - 3.25 mm | /          | /                        | 2.5 - 3.25 mm | /          |
| Wire spool              |      | 5 kg                     | /             | /          | 5 kg                     | /             | /          |
| Weight                  |      | 10 kg                    |               |            | 10 kg                    |               |            |
| Connection voltage      |      | 230 V ± 10 % V           |               |            | 230 V ± 10 % V           |               |            |

ACCESSORIES



GROUND CABLE WITH CLAMP 2 m



WELDING CABLE WITH ELECTRODE HOLDER 3 m



TORCH 3m + CONSUMABLE PARTS



REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 1.5 m



V GROOVE ROLLS 0.6 - 0.8 (1605D) 0.6 - 0.8, 0.8 - 0.9, 0.8 - 1.0 (2005D)



TORCH FOR liftTIG WELDING

OPTIONAL