

# SPARTUS®



**PERFECT WELD USING  
DUAL PULSE TECHNOLOGY**



**EasyMIG**  
217 Dual  
Pulse

■ The modern **SPARTUS® EasyMIG 217DP** inverter MIG welder combines performance, aesthetics, and full control over the welding process. Thanks to **Dual Pulse** technology, the machine delivers welds with appearance and quality comparable to TIG welding, while maintaining the higher welding speed and productivity typical for MIG/MAG. It is a universal welding power source for workshop and industrial use.

## MIG/MAG WELDING

### – SYNERGY AND DUAL PULSE TECHNOLOGY

The advanced SPARTUS® EasyMIG 217DP system redefines MIG/MAG welding standards, combining precise control with excellent weld aesthetics. The **synergic control system** and **Dual Pulse** technology ensure full control of the process, regardless of material type or thickness.

The machine provides four advanced operating modes:

- synergic with Dual Pulse
- synergic with single pulse
- standard synergic
- manual

Synergic programs automatically set optimal welding parameters, while the user can manually adjust the voltage or wire feed speed at any time.

**Dual Pulse** technology ensures an exceptionally smooth and uniform weld bead with a distinctive “stacked dime” effect, minimal heat distortion, and increased welding speed and efficiency compared to TIG. When welding aluminum, this method also requires significantly less operator skill.

EasyMIG 217DP is compatible with **0.8 / 1.0 / 1.2 mm** wires, runs on **230 V** power supply, and offers a maximum welding current of **200 A**.

**Inductance control** allows precise shaping of bead width and penetration depth while reducing spatter.



Additional functions—**2T/4T modes**, **wire feed test**, and **polarity reversal** for flux-cored welding—make the EasyMIG 217DP an extremely versatile machine ready for any challenge.

## SYNERGIC PROGRAMS

The SPARTUS® EasyMIG 217DP features **integrated synergic programs** that intelligently match parameters to the selected wire and shielding gas. This significantly reduces setup time and ensures repeatability and optimal results in every welding cycle.

MATERIAL	PROCESS	SHIELDING GAS	WIRE DIAMETER
CARBON STEEL	MIG DC	100%Co <sub>2</sub>	0.8 - 1.0mm
CARBON STEEL	MIG DC	75%Ar+25%Co <sub>2</sub> mixed gas	0.8 - 1.0mm
FLUX CORE	MIG DC	-	0.8 - 1.0mm
CARBON STEEL	PULSE/DUAL PULSE	80%Ar+20%Co <sub>2</sub> mixed gas	0.8 - 1.0mm
STAINLESS STEEL	PULSE/DUAL PULSE	80%Ar+20%Co <sub>2</sub> mixed gas	0.8 - 1.0mm
STAINLESS STEEL	PULSE/DUAL PULSE	97.5%Ar+2.5%Co <sub>2</sub> mixed gas	0.8 - 1.0mm
CuSi	PULSE/DUAL PULSE	100%argon	0.8 - 1.0mm
AlSi	PULSE/DUAL PULSE	100%argon	1.0 - 1.2mm
AlMg	PULSE/DUAL PULSE	100%argon	1.0 - 1.2mm

## » EasyMIG 217 DUAL PULSE

### ■ MMA | TIG LIFT

In addition to MIG/MAG welding, the EasyMIG 217DP supports:

- **MMA** – stick welding with Hot Start, Arc Force, and VRD, providing easy arc ignition, stable arc control, and safe operation.
- **TIG Lift (DC)** – lift arc ignition, ideal for welding thin stainless-steel and carbon-steel components.

### ■ CONTROL – INTUITIVE LCD PANEL

The modern LCD control panel of the SPARTUS® EasyMIG 217DP ensures intuitive operation and full access to all welding parameters. Using ergonomically positioned knobs and function buttons, the operator can easily select the welding method—MIG/MAG, TIG Lift, or MMA—and smoothly adjust welding current, voltage, and wire feed speed.

All settings, such as wire diameter, shielding gas type, 2T/4T mode, or additional functions, are available directly on the panel, allowing quick adaptation to material type and working conditions.

The clear graphical interface shows real-time correlation between voltage and bead shape, as well as recommended material thickness, making parameter selection simple and precise. This ensures repeatability and full control over weld quality.



### ■ EQUIPMENT

SPARTUS® Easy series welders are delivered as complete sets, containing everything needed to start welding.

#### Package equipment:

- EasyMIG 217DP
- MIG gun SPARTUS® SPE 150 3m with a graphite wire liner
- steel liner coated
- wire guide roller 1.0-1.2U fi30 + additionally 0.8-1.0V fi30
- electrode holder
- work clamp
- gas hose
- user's manual

## CONSTRUCTION – MOBILITY AND DURABILITY

A solid, compact housing (490 × 225 × 340 mm) and a **low weight of 12 kg** ensure exceptional mobility. The use of **IGBT** transistors guarantees high efficiency (**84.3%**) and stable performance. The built-in **two-roller feeder** provides smooth wire feeding. The ergonomic carrying handle makes it easy to move the unit between workstations.

### EASYMIG 219 DUAL PULSE TECHNICAL PARAMETER

Input	~1× 230V ± 10% 50 / 60 Hz	TIG welding current	10 - 200A
MIG welding current	30 - 200A	MMA welding current	10 - 200A
MIG duty cycle	60%	Arc Force	yes
Output working voltage	15.5 - 24V	Hot Start	yes
Wire feeder	built-in, 2-roll gear	VRD	yes
Welding wire spool	≤ 5kg / Ø200mm	Current consumption	MIG 37A / TIG 28A / MMA 43A
Wire diameter	0.8, 1.0, 1.2mm	Power factor (cosφ)	0.73
Synergy	yes	Efficiency η	77%
2T/4T control	yes	Insulation class	H
Additional MIG functions	DUAL PULSE, inductance, synergistic program, spool gun, polarity, change	Protection class	IP21S
TIG Lift	yes	Weight	12kg
		Dimensions	420 x 225 x 340mm

**SPARTUS® EasyMIG 217 Dual Pulse** is a versatile inverter welder combining intuitive operation with advanced **Dual Pulse** technology. Perfect for steel, stainless steel, aluminum, and CuSi bronze welding. An ideal solution for workshops, production facilities, and users who expect top weld quality while maintaining mobility and ease of use.

