

WELDER INVERTER TIG HF/MMA MIG/MAG

PATON STANDARDTIG-200



TIG HF/MMA MIG/MAG Welder Inverter Paton StandardTIG-200 – basic data

PATON StandardTIG 200 digital inverter welder is optimized for TIG (HF) inert gas shielded arc welding, manual submerged electrode arc welding (MMA) and semi-automatic MIG/MAG arc welding (as a source with external feeder) with direct current. Each of the above mentioned methods allows us to use pulsed current (PULSE function).

The device of "Standard" series, has been designed for consumers requiring a compact housing with an optimal ratio between portability and functionality of the unit with its full rated current of 200 A. The unit is also suitable for "MMA" welding with electrodes from $\Phi 1.6$ mm to $\Phi 5.0$ mm and semi-automatic "MIG/MAG" arc welding with solid wire from $\Phi 0.6$ mm to $\Phi 1.0$. The small size of the welder makes it very mobile, which allows it to perform most tasks in the production sector (field work, workshop work, production from thin sheets, repair and maintenance, agriculture, etc.). The use of an inverter block operating at frequencies of the order of kHz, affects the dimensions of the transformer in the power block, which significantly reduces the weight and dimensions of the machine itself.

MAIN ADVANTAGES OF PATON™ DEVICES:

- European manufacturing
- Electronic thermal protection system to protect all heat generating components from overheating
- Reliability thanks to IGBT technology
- Possibility to work with long extension cables as well as with a generator
- Pulsed welding (PULSE function)
- Improved arc glow stability
- Change mode function 2T, 4T, gas cleaning with feeder function
- The devices have voltage spike protection and stabilization system, enabling proper operation in the voltage range of 160V to 260V
- Twice lower power requirements compared to traditional sources
- Optimum melting and correct stitch shape regardless of welding position



Supply voltage 50/60 Hz	230 V
Required nominal current from the mains	25 – 28 A
Nominal welding current	200 A
Maximum welding current	270 A
Duty cycle, %	"45 % at 200 A 100 % at 134 A"
Voltage change intervals	160 – 260 V
Welding current adjustment intervals	10 – 200 A
Welding voltage adjustment intervals	12 – 28 V
Diameter of the wrapped electrode	1,6 – 5,0 mm
Diameter of solid wire	0,6 – 1,0 mm
Pulsed welding methods	"MMA: 0,2...500 Hz TIG: 0,2...500 Hz MIG/MAG: 5...500 Hz"
Function "Hot-Start"	Regulated
Function "Arc-Force"	Regulated
Function "Anti-Stick"	Automatic
Idle voltage reduction system	On / Off
Idle current voltage	12 / 70 V
Arc event current voltage	110 V
Nominal power consumption	5,5 – 6,1 kVA
Maximum power consumption	6,6 – 8,0 kVA
Energy efficiency	90%
Cooling	Automatic
Operating temperature range	-25 ... +45 °C
Standards met:	"EN 60204 – 1:2006 EN 60974 – 1:2012 EN 60974 – 10:2014"
Dimensions (length, width, height), mm:	315 x 110 x 255
Weight of the welder itself, kg	5,8
Degree of protection	IP 21