

NEW

# MMA (ÖRTÜLÜ ELECTROD) – TIG KAYNAK MAKİNELERİ (220 – 270 – 320)



Stick 320 LA-V

## NEW PORTABLE WELDING MACHINES

KITWELD 220, 270 and 320 MMA / LA-V / HF are designed as a small, powerful and light digital three-phase inverters for MMA and TIG welding methods. The machines are compact, solid chassis with rail and practical side pocket for welding equipment. The machines KITWELD 220-320 in LA-and HF can be ordered with water cooled welding torch and cart for easy handling in the workshop.

## NEW DIGITAL coNTRoL

New generation of digital control now provides not only optimal welding characteristics, but also its dynamic adaptation directly during the welding process, which achieved significantly higher quality of weld, welding performance and simplification. Undisputed benefits are new features to help keep the arc in the optimal working area. With this technology can be reached excellent results even by less experienced welders. Advanced electronics also allow to significantly reduced weight and size and consequently the price of the new inverters KITWELD. To ensure excellent welding characteristics and high reliability the machines are overpowered and are able to deliver a higher

welding current than the maximum adjustable.

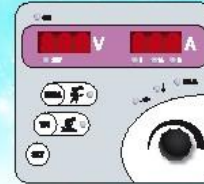
## ADVANTAGES of MACHINES KITWELD MMA/LA-V/HF

- excellent welding properties
- high power and duty factor while maintaining the compact dimensions of the machine
- High performance reserve
- simple and intuitive control and setup of parameters
- Embedded front panel - the controls are protected from damage
- Auto calibration – on each activation is the machine adjusted again, so constant parameters are always assured
- Automatic monitoring overvoltage or undervoltage in the power network. Electronics highlight the high or low input voltage
- The machines are designed for industrial use
- High efficiency and the lower consumption
- solid and compact design

## EQUIPMENT KITWELD MMA/LA-V/HF

- new II. generation digital management to improve the quality of the weld and assuring easy welding; provides continuous adjustment of welding current characteristics during the welding process in dependence on the conditions
- digital volt-ampere meter
- plug for remote control
- practical pocket for welding cables, electrodes and gloves in the side cover
- automatic fan control - runs only when necessary
- function for reporting errors on display

## MMA METHOD EQUIPMENT



## MACHINES KITWELD 220-320 MMA, LA-V, HF

- possibility to use rutile, basic and aluminum electrodes
- ARC FORCE PLUS function to stabilize the arc with the possibility of adjusting intensity
- HOT START feature for easier ignition of the arc with the possibility of adjusting intensity
- ANTI STICK
- protection V.R.D. and START CONTROL for ensuring safety at work
- functions DPC and SOFT POWER ON for a smooth welding on common electric distribution

## TIG mETHoD EQUIPMENt

### MACHINES KITIN 220-320 MMA

- touch start LIFT for low abrasion of electrode
- automatic completion of arc by lift of the torch
- integrated gas valve \*\*
- adjustable gas afterflow



## TIG-LA & HF METHODS EQUIPMENT



## MACHINES KITWELD 220-320 LA-V, HF

- adjustable gas foreflow and afterflow
- adjustable start and run current
- function 2-stroke / 4-stroke welding
- the function CYCLE (can be combined with features PULS)
- the functions PULS, BACKGROUND CURRENT and BALANCE for pulse welding
- touchless Ignition (HF only)
- touch start LIFT for low abrasion of electrode (only LA-V)
- 10 positions in the memory for self programs

## USAGE

High performance, excellent welding properties and solid structure predetermines to use these machines in the manufacturing and assembly companies, plant maintenance, repairs and heavy industry.

	Stick 220 mmA	Stick 270 mmA	Stick 320 mmA	Atick 220 LA-V*	Stick 270 LA-V*	Stick 320 LA-V*	TIG 220 hf *	TIG 270 hf *	TIG 320 hf *
Number	50987	50986	50919	51003	51004	51005	50999	51000	50963
Welding method	MMA/TIG-LA	MMA/TIG-LA	MMA/TIG-LA	MMA/TIG-LA	MMA/TIG-LA	MMA/TIG-LA	MMA/TIG-HF	MMA/TIG-HF	MMA/TIG-HF
Supply voltage 50/60 Hz [V]	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%	3x400 +10% -20%
Protection [A]	16	16	25	16	16	25	16	16	25
Duty cycle 100% [A]	200	220	220	200	220	220	200	220	220
Duty cycle [A]	-	250 / 80%	300 / 40%	-	250 / 80%	300 / 40%	-	250 / 80%	300 / 40%
Adjustable current [A]	10-200	10-250	10-300	10-200	10-250	10-300	10-200	10-250	10-300
Maximum current [A]	300	330	380	300	330	380	300	330	380
Output voltage [V]	65	65	65	65	65	65	65	65	65
Protection Class	IP 23 S	IP 23 S	IP 23 S	IP 23 S	IP 23 S	IP 23 S	IP 23 S	IP 23 S	IP 23 S
Diameter of electrodes [mm]	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0	1,5-5,0
Coupler	35-50	35-50	35-50	35-50	35-50	35-50	35-50	35-50	35-50
Recommended torch	SR 17 V	SR 20 V	SR 18 V	SR 17	SR 20	SR 18	SR 17	SR 20	SR 18
Dimensions [mm]	530x190x430	530x190x430	530x190x430	540x190x430	540x190x430	540x190x430	540x190x430	540x190x430	540x190x430
Weight [kg]	19	19	19	19,5	19,5	19,5	19,7	19,7	19,7