

SICP - DIGITALLY CONTROLLED SYNERGIC WELDING MACHINES



The Synergic MIG/MAG (CO₂) Welding Machines is an innovation product from the house of Technocrats. The machine is built to work under extreme industrial conditions. High speed processors coupled with digital touch screen based menu-driven interface makes operation reliable and easy. Compliance with International standards like IEC609741 & EN50199 coupled with synergic MIG functionalities makes SICR the most powerful, yet economical inventoried welding machines of today.

Features:

- Synergic program selection through single knob.
- Gas selection & flow control.
- More than 200 Programs (including user modifiable programs)
- Hot and Creep start.
- 2T/4T (Unlatched / Latched) mode.
- Crater fill & burn back control.
- spatter free ignition.
- Arc length/Arc dynamics control.
- TIG/MMA selection.

More Features:

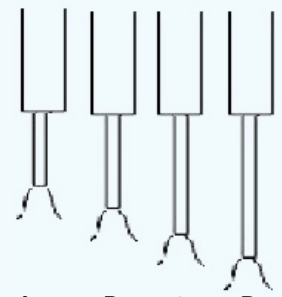
- Keyboard lock with password.
- Diagnostic messages on LCD display.
- Graphical display of current & Voltage.
- Hold function.
- Current/Voltage increment/decrement from remote.
- Stepless voltage control.
- stepless wire feed speed control.
- wire – inch
- Manual / Auto selection
- Digital wirefeeder.
- Software option : Arc log data logging & monitoring software.



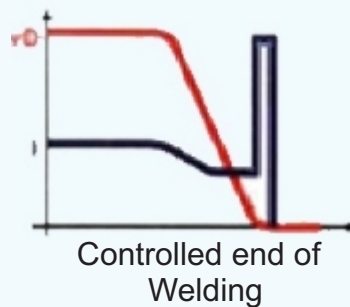
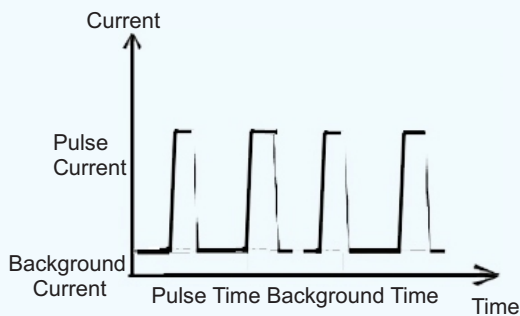
Front Panel Setting



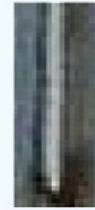
Spatter Free Ignition Through Burnback Control



Arc Length Control Automatically Compensates for Undulations / Irregularities in Job



Conventional



Digital

A	Power Source	SICP 300	SICP 400	SICP 500	SICP 600	SICP 800
	Input supply Voltage	3 Phase, 440 V \pm 20%, 50 Hz				
	Max. Welding Current (A)	300	400	500	600	800
	Open Circuit Voltage (V) Max.	50	70	90	98	100
	Voltage Control Range	Stepless upto OCV				
	Max. Welding Current (A) @ 60% duty cycle @ 100% duty cycle	300 270	400 360	500 420	600 554	800 716
	Insulation Class	H				
	Cooling	Forced Air				
	Enclosure Protection class	IP23C				
	Dimension (W X D X H) mm	300 x 630 x 585	400 x 700 x 450	450 x 710 x 650	500 x 700 x 450	500 x 800 x 500
	Weight (Kgs)	45	55	70	80	100
B	Wire Feeder	2/4 rolls, quick release type				
	Wire dia. (mm) SS, MS, Al, Flux Cored	0.6 to 2.4 mm				
	Wire drive motor	Pancake type				
	Control	Servo Controlled				
	Wire Feed Speed (m/min)	0.5 to 24				
C	Torch	TDG - 300	TDG - 400	TDG - 500	TDG - 600	TDG - 800
	Rated capacity @100% duty cycle	300	400	500	600	800
	Cooling	Gas	Gas	Gas/Water	Water	Water
	Torch cable length (m)	3	3	3	3	3
<p>Note: TDG 300 & TDG 400 Torches are also available with 4 mtrs. Cable.</p> <p>Optional Accessories: a) Pressure Regulator with flow Meter. b) CO₂ gas pre-heater. c) Inbuilt Wire Feeder. d) Relevant Torch Fitter with accessories. e) Gas Hose 5 mtr. Length. f) Earth/Ground cable – 5 mtr. Length with clamp.</p>						



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Technical specifications are subjected to change because of continuous upgradation of products for better performance.