

Digitally Controlled Synergic AC - DC TIG Welding



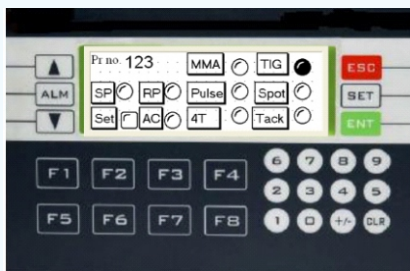
The SSQ series of synergic TIG welding machines is fully digital power source that can be used for manual/ automatic TIG/ MMA welding. The machines are built to work under extreme industrial conditions. High speed processors coupled with digital touchscreen based menu driven interface makes operation reliable and easy. Compliance with International standards like IEC -60974-1 & EN50199 coupled with synergic functionalities makes SSQ a versatile , yet economical inverterized **welding machine of today.**

Features:

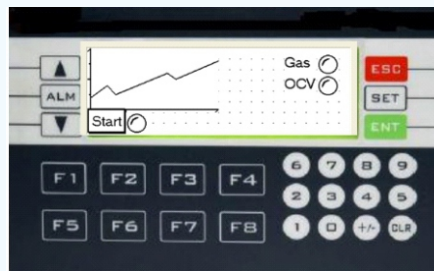
- Automatic gas pre & post-flow time.
- Continuous welding current adjustment using welding torch
- Digital welding process control
- Current & Gas flow control from Manual Welding Torch.
- Earth leakage monitor
- Gas test function
- Non-contact ignition (HF)
- Remote control facility
- Pulsed welding function
- Crater fill mode
- Straight/ reverse polarity selection
- AC balance setting (programmable)
- Max. Noise level 80dbA.
- Compatible for being coupled with any Robot and TIG wire feeder.

More Features:

- Keyboard lock with password
- Diagnostic messages on LCD display
- Graphical display of current & voltage
- Hold function
- Current/ voltage increment/ decrement from remote
- Special 4 step mode for Aluminium.
- Stepless current & voltage control
- Manual/ Auto selection
- Memory Storage upto 100 Welding Parameter Programmes.
- Digital Inverter Technology based on MOSFET / IGBT with current switching frequency upto 100KHz.
- Digital Indication of Mains Voltage monitoring



Weld mode selection screen



Real time graphical display of weld current/ voltage

Preflow	12.3	Background	Peak
Postflow	12.3	123	123
Upslope	12.3	Pulse Frequency	
Dnslope	12.3	123	

Pre-flow, post-flow & pulse mode settings

Spot weld on duration	12.3	AC balance	
Tack weld on duration	12.3	123 %	
Tack weld off duration	12.3		

Spot weld, tack weld, AC balance settings

TECHNICAL SPECIFICATIONS

Model SSQ 300	
Power Supply	3ph., 400 Volts \pm 15%Volts, 50 – 60Hz.
Current Range	TIG – 3 – 300Amps. MMAW – 10 – 300Amps.
Open Circuit Voltage	86 Volts
Primary Continuous Power @ 100%	5.5 KVA
Working Voltage	TIG – 10.1 – 30V. MMAW – 20.4 – 40V.
Duty Cycle @ 40%	300 Amps.
Duty Cycle @ 100%	190 Amps.
Ignition Voltage	ARC striking
Min. Pulsing Frequency	0.2 Hz
Efficiency	> 85%
Protection Class	IP 23
Insulation	Class B
Cooling	Forced Air

STANDARD ACCESSORIES

- 4Mtrs. TIG Torch with Welding On/Off Switch, with Current Up/Down Switch - 1No..
- 4Mtrs. Earth Cable - 1 Nos.
- Argon Gas Regulator with Flowmeter - 1 No.
- 4 Mtrs. Welding Cable - 1 No.

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