

DIGITAL INVERTER BASED

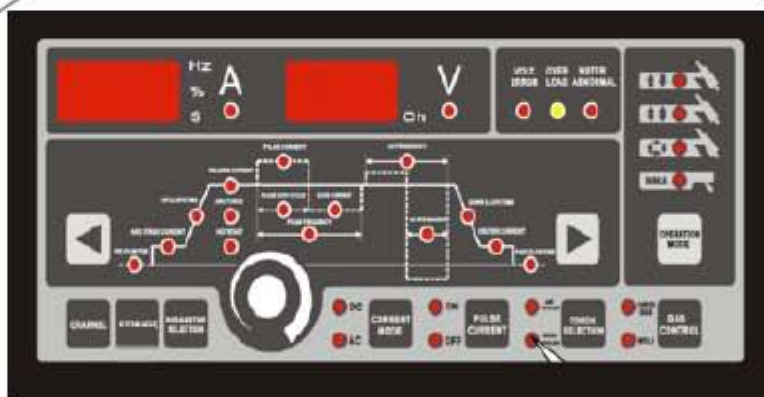
AC/DC SQUARE WAVE TIG

WELDING MACHINE

INTIG-AC/DC Series machines are microprocessor controlled fully digital IGBT inverter based arc welding power source with soft switching technology. They are widely used for DC TIG, DC PULSE TIG AC Square wave TIG and AC Pulse TIG welding in various metals including Al. and Mg alloy.

Features

- Advanced *Soft Switching* Technology
- Microprocessor controlled technology
- High Operating frequency and hence low volume and weight
- Digital Display of all adjustable parameter
- Easy Operation with single knob control
- Water flow switch for torch protection
- Memory Channels to store data
- Built in High Frequency Unit
- Gas Check Facility
- High Power Factor
- 2 / 4 Step Function



Basic Out fits

Power Source
2 Pin Socket for torch trigger

Optional

Water Circulation system
TIG Torch
Gas Regulator flowmeter

Technical Specification

Machine Model		INTIG-316 AC / DC	INTIG-501 AC/ DC
Input Supply		3 phase 380 ~ 440 Volts 50 Hz Supply	
Input Power (KVA)		13.4	25
Open Circuit Voltage (V)		82	85
Rated out put welding Current (A)		315	500
Duty Cycle		60% (40 ° C & 10 min)	
Efficiency (%)		85	
Power factor		0.9	
Gas Pre Flow (Sec)		0 ~ 5	
Post Gas Flow (Sec)		0 ~ 20	
Up Slope Time (Sec)		0.1 ~ 10	
Down Slope Time (Sec)		0.1 ~ 15	
Pulse Frequency (Hz)		0.2 ~ 99.9	
Pulse Duty Cycle (%)		10 ~ 90	
Peak Current (A)	DC	10 ~ 315	10 ~ 500
	AC	20 ~ 315	20 ~ 500
Base Current (A)	DC	10 ~ 315	10 ~ 500
	AC	20 ~ 315	20 ~ 500
AC Welding Frequency (Hz)		20 ~ 200	
Clean Ratio (%)		10 ~ 50	
Dimensions (L X W X H mm)		710 X 350 X 650	725 X 390 X 785
Weight (Kg)		52	70

Note: Specifications are subjected to change with out notice