


IPB-5000A

Power Supply IPB-5000A DC Inverter Controlled

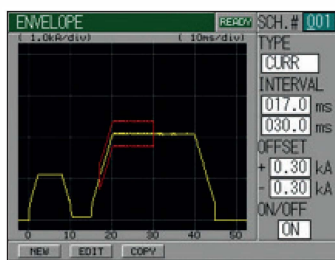
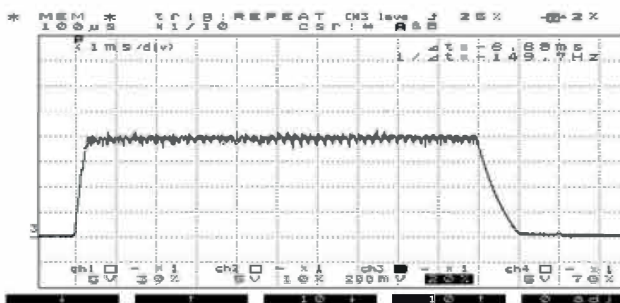
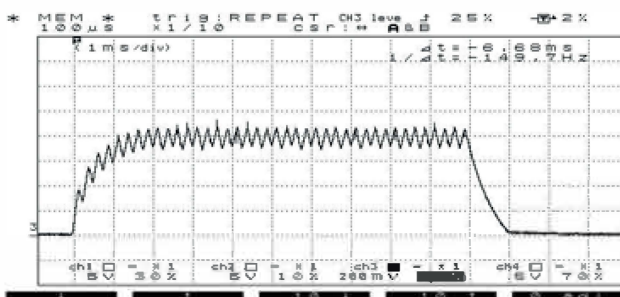
Small footprint and forced air-cooling system with high duty cycle

Four control systems to choose from: Secondary constant current control, secondary constant voltage control, combination of secondary constant current and constant voltage control and secondary constant power control

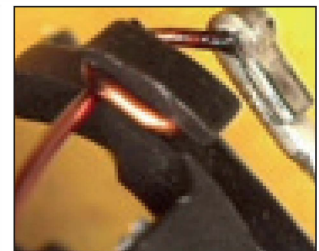
Weld to displacement function: When a weld displacement reaches a certain level the weld current can be interrupted. This ensures a stable result. For this feature, the IPB-5000A needs to be connected with a weld checker such as MM-370B or MG3.

Comparator and Envelope Features for constant process control: The comparator feature allows to set upper and lower limits around the measured value of up to four parameters. These parameters are current, voltage, power and resistance and can be monitored constantly. Two audio signals are given when values are out of tolerance and alert the user about an error or indicate caution. The envelope feature allows to set dynamic limits around a waveform. Monitored. This ensures that changes are applied to every weld.

Reduction of weld current ripple: The current ripple is reduced to 1/3 of the conventional model. With the same effective current, the IPB controls the peak current to stay i.T. while keeping the current constant.


Weld current 4000a; welding time: 10 msec.

IPB-5000A+ITD-360B6 (Rise time: 0.3 msec.)

IP-217A+IT-510B (Rise time: 1.8 msec.)

TYPICAL APPLICATIONS


Fusing of tunic covered wires

Welding of terminal and stranded wire

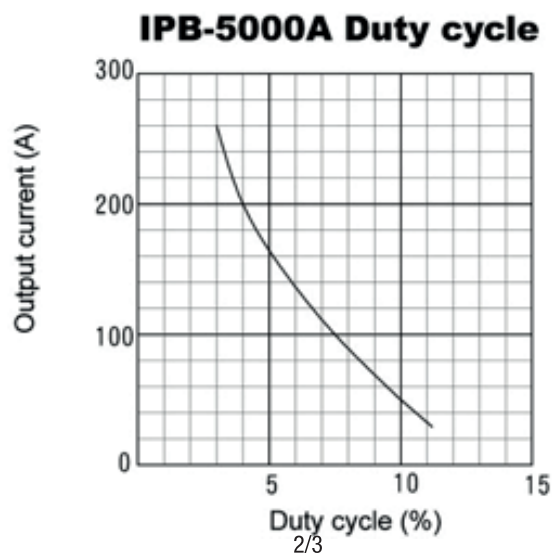
TECHNICAL SPECIFICATIONS

Model		IPB-5000A
Power source		Three phase, 200-240 VAC/380-480 VAC, 50/60 Hz
Primary frequency		5 kHz
Primary current		200A
Feedback modes		Secondary constant current, secondary constant voltage, combination of secondary constant current and secondary constant voltage control, secondary constant power
Number of weld schedules		127
Time settings	Squeeze delay	0000 to 9999 ms
	Squeeze	0000 to 9999 ms
	Weld 1, 2	000 to 600 ms
	Up slope	000 to 400 ms
	Down slope	
	Cool	000 to 999 ms
	Hold	
	Off	0010 to 9990 ms
Current setting range		0.40 to 4.00 kA
Current monitor		0.00 – 9.99 kA
Displacement monitor		-29.999 mm to 29.999 mm
Cooling method		Forced cooling
Dimensions (lxhxd)		172 x 349 x 504 mm
Weight		19 kg

Model	ITD-360B	ITB-760B
Rated capacity	10.2kVA	17.4kVA
Rated primary voltage	600 V	
Secondary voltage, no load	9 V	13 V
Maximum secondary current	3000A (5%)	4000A (5%)
Cooling method	Forced air cooling	
Input frequency	5 kHz	
Turn ratios of transformer	33:1	23:1

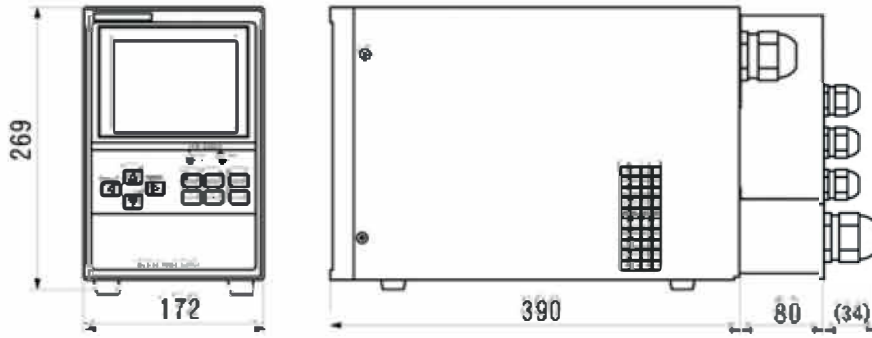
WEIGHT & DIMENSIONS

Dimensions	183 x 186 x 437 mm	190 x 183 x 491 mm
Weight	11 kg	13 kg

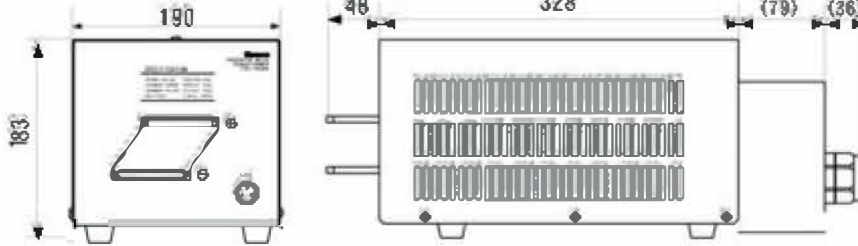


DRAWINGS

IPB-5000A



ITB-780B6



ITD-360B6W

