



# PA-HxxxA

## Programmable Pulsed Arc Power Supplies

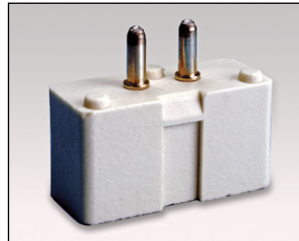
The PA-HxxxA range of programmable pulsed arc power supplies are linear DC precision arc-welding units extensively used in contactless, high-speed, solder free coil and wire termination applications. Available for single output laboratory use or multi output high-speed automation applications, these units employ state-of-the-art closed-loop electronic arc control circuitry to deliver output accuracies and repeatability better than 1% with currents up to 100 A.

Welding currents and profiles are fully programmable with real-time graphical oscilloscope feedback that provides process monitoring and quality assurance Pass/Fail criteria as standard.

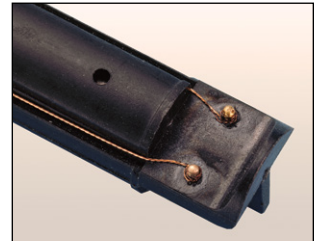
### KEY FEATURES

- Easy to use, intuitive color touch screen with graphical weld tracing
- Constant current arc control to within 1% accuracy
- Single or dual pulse outputs
- Single phase, 115 VAC or 230 VAC operation
- Isolated RS-232 port for PC or PLC programming
- 99 memory locations for either single or double pulse weld profiles
- Weld limits for voltage and current provide instant feedback on weld process
- Built-in weld counter
- Fully programmable, upslope, peak and downslope

### TYPICAL APPLICATIONS



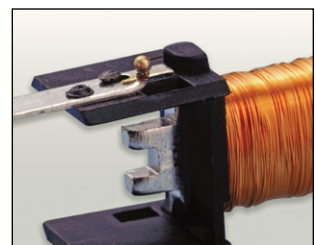
*Connector pin termination*



*Micro wire pin connections*



*TIG ball & wire combination*



*Coil termination*

## TECHNICAL SPECIFICATIONS

Model	PA-H020A	PA-H040A	PA-H060A	PA-H100A
Maximum output current	20 Amps DC	40 Amps DC	60 Amps DC	100 Amps DC
Minimum current	2 Amps DC	4 Amps DC	6 Amps DC	10 Amps DC
Duty cycle	5% @ 20 A	5% @ 40 A	5% @ 60 A	5% @ 100 A
Open circuit voltage	80 VDC	60 VDC	60 VDC	45 VDC
Options	1, 2 or 4 outputs	1 or 2 outputs	1 output Multi output on request	1 output Multi output on request
Mains supply 50/60Hz	110 V/230 VAC +/-15%	110 V/230 VAC +/-15%	110 V/230 VAC +/-15%	380/415/460 VAC 3 phase
Up slope time (0.1 ms steps)	0.1 - 99.9 ms	0.1 - 99.9 ms	0.1 - 99.9 ms	0.1 - 99.9 ms
Peak weld time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms
Down slope time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms
2nd pulse weld delay time	1 - 999 ms	1 - 999 ms	1 - 999 ms	1 - 999 ms
Cooling (overheat protected)	Fan	Fan	Fan	Fan
Max gas pressure	1 bar - single output	1 bar - single output	1 bar - single output	1 bar - single output
Gas pre/purge timing	Programmable	Programmable	Programmable	Programmable
Weld schedules	99 for either single or double pulse weld profiles			

## WEIGHT & DIMENSIONS

Model	PA-H020A	PA-H040A	PA-H060A	PA-H100A
Dimensions (D x W x H)	19.3 in x 10.6 in x 11.8 in (490 mm x 270 mm x 300 mm)	19.3 in x 10.6 in x 11.8 in (490 mm x 270 mm x 300 mm)	19.3 in x 10.6 in x 11.8 in (490 mm x 270 mm x 300 mm)	17.5 in x 22 in x 8.7 in (445 mm x 560 mm x 220 mm)
Weight	84 lb (38 kg)	84 lb (38 kg)	84 lb (38 kg)	92.6 lb (42 kg)



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