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Find the *Acromag IP220A-16* at our website: ***Click HERE***

Acromag, Incorporated
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Known Difference between the IP220A and the retired IP220

The IP220A has been designed as a drop in replacement to the IP220. The following are the only know difference between the IP220 and IP220A. Based on our testing none of these changes should have and effect on customer current changes.

Power

External ±15 volt supplies are no longer required. Pins that were previously assigned the ±15 volts lines are left unused on the IP220A this allows the IP220 and IP220A interchangeably.

There will be a build option (Model 5089) that can be ordered from Acromag that will allow the use of the ±15 volts external supply. This will prove useful for those customers who have large number of IP220A in a single rack and are unable provide sufficient power through their existing ±12 volt supply.

DAC

Output impedance of the DAC has been improved for the IP220A. IP220A output impedance is 0.5 Ω maximum versus 1 Ω maximum for the IP220.

Settling time is slightly slower for the IP220A then for the IP220. IP220A settling time is 11 µSec. IP220 was 8 µSec.

Access Times (8MHz clock):

	IP220	IP220A
ID EEPROM read:	0 wait states (250nS cycle).	0 wait states (250nS cycle)
DAC channel data write:	0 wait states (250nS cycle)	1 wait states (375nS cycle).
DAC offset/gain coeff. read:	0 wait states (250nS cycle)	1 wait states (375nS cycle).
Control register access:	0 wait states (250nS cycle)	1 wait states (375nS cycle).

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