



**PHOTRON**PTY.LTD.

LIGHTEN YOUR HORIZON

Each Hollow Cathode Lamp is tested to ensure that it will perform to specifications in your instrument. As each instrument uses different operating conditions, it is necessary to provide instructions of lamp run currents. By using this chart, the lamp will provide optimum performance and achieve the longest possible lamp life. Please be sure to start you lamp on the lower run current and increase the current **one mA** at a time (**up to 5 mA**) until the peak energy of the lamp is found. **Please note running your lamp on a lower current will prolong the life of your lamp.** If you have any problems please contact us.

## OPERATING DATA SHEET

37mm or 1.5" Diameter Coded and Uncoded

## HOLLOW CATHODE LAMPS



Photron Common Elements and Part Numbers

Agilent/Varian SpectrAA  
5/10/30/40/100/200/300/400/600/  
640/800  
SpectrAA-50/55  
AA140 & AA240  
AA240FS & AA280FS  
AA Duo  
Varian  
30Z/40Z 300Z/400Z 640Z/800Z 55 B  
AA240Z & AA280z

GBC  
SB-900 901/902/904/906/908/  
903/905/ 909/932/933/933B  
Prospector SensAA, Savant Zeeman,  
Savant AAS, Savant Z AAS, Sens  
Xplor AA  
Shimadzu  
640/645/646/680 AA-6800 AA-6300  
AA-6200 AA-700  
Hitachi  
All models

Thermo Fisher  
All Models  
M Series  
S Series  
iCE  
3300 3400 3500

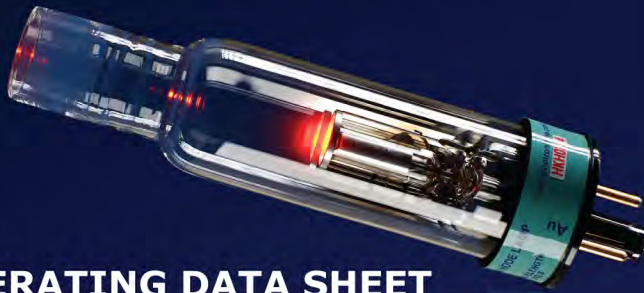
Analytik Jena  
NovAA  
300, 350, 400 &400P  
Zeeman  
ZEEnit  
600/650 P/700 P

	mA	mA	mA	mA
P801 - Aluminium (Al)	10	10	10	6
P802 - Antimony (Sb)	5	10	10	7
P803 - Arsenic (As)	6	7	8	5
P804 - Barium (Ba)	15	15	15	6
P806 - Bismuth (Bi)	6	8	10	4
P807 - Boron (B)	10	18	20	8
P808 - Cadmium (Cd)	2	3	3	3
P809 - Calcium (Ca)	3	4	5	4
P812 - Chromium (Cr)	5	6	6	5
P813 - Cobalt (Co)	8	10	10	7
P814 - Copper (Cu)	3	4	4	3
P821 - Gold (Au)	3	5	5	5
P826 - Iron (Fe)	4	6	6	6
P828 - Lead (Pb)	3	4	4	3
P829 - Lithium (Li)	8	10	10	4
P831 - Magnesium (Mg)	3	4	4	2
P832 - Manganese (Mn)	4	5	5	7
P833 - Mercury (Hg)	2	3	3	3
P834 - Molybdenum (Mo)	5	7	7	7
P836 - Nickel (Ni)	3	5	5	5
P839 - Palladium (Pd)	8	10	10	6
P840 - Platinum (Pt)	5	10	10	6
P841 - Potassium (K)	8	10	10	4
P849 - Selenium (Se)	8	8	10	6
P850 - Silicon (Si)	10	12	14	7
P851 - Silver (Ag)	2	4	4	4
P852 - Sodium (Na)	4	5	5	3
P854 - Tantalum (Ta)	15	18	18	8
P855 - Tellurium (Te)	5	6	7	7
P857 - Thallium (Tl)	5	4	7	7
P858 - Thorium (Th)	8	6	10	8
P860 - Tin (Sn)	6	8	8	6
P861 - Titanium (Ti)	15	18	18	7
P862 - Tungsten (W)	15	18	18	8
P864 - Vanadium (V)	15	18	18	6
P867 - Zinc (Zn)	4	5	5	4
P868 - Zirconium (Zr)	15	18	18	7
P870 - Ca/Mg	5	5	5	3
P871 - Na/K	8	10	10	6
P872 - Cu/Zn	4	5	5	3
P873 - Cr/Co/Cu/Fe/Mn/Ni	6 - 10	10	10	6
P874 - Phosphorus (P)	15 - 20	20	20	7



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Photron Uncommon Elements and Part Numbers.	Agilent/Varian SpectrAA 5/10/30/40/100/200/300/400/600/ 640/800 SpectrAA-50/55 AA140 & AA240 AA240FS & AA280FS AA Duo Varian 30Z/40Z 300Z/400Z 640Z/800Z AA240Z & AA280z	GBC SB-900 901/902/904/906/908/ 903/905/ 909/932/933/933B Prospector SensAA, Savant Zeeman, Savant AAS, Savant Z AAS, Sens Xplor AA Shimadzu 640/645/646/680 AA-6800 AA-6300 AA-6200 AA-700 Hitachi All models	Thermo All Models M Series S Series iCE 3300 3400 3500	Analytik Jena NovAA 300, 350, 400 & 400P Zeeman ZEE nit 600/650 P/700 P
	mA	mA	mA	mA
P805 - Beryllium (Be)	6	10	10	5
P811 - Cesium (Cs)	15	18	20	6
P811 - Cerium (Ce)	10	10	10	10
P815 - Dysprosium (Dy)	18	18	18	18
P816 - Erbium (Er)	10	10	10	10
P817 - Europium (Eu)	10	12	12	12
P818 - Gadolinium (Gd)	15	18	18	18
P819 - Gallium (Ga)	4	5	5	3
P820 - Germanium (Ge)	4	5	5	4
P822 - Hafnium (Hf)	10	12	12	12
P823 - Holmium (Ho)	15	18	18	18
P824 - Indium (In)	3	5	5	3
P825 - Iridium (Ir)	4	18	5	3
P827 - Lanthanum (La)	12	18	10	18
P830 - Lutetium (Lu)	15	10	10	10
P835 - Neodymium (Nd)	12	18	18	18
P837 - Niobium (Nb)	15	18	18	18
P838 - Osmium (Os)	10	18	12	18
P842 - Praseodymium (Pr)	10	12	12	12
P843 - Rhenium (Re)	8	18	15	15
P844 - Rhodium (Rh)	5	6	6	4
P845 - Rubidium (Rb)	8	10	10	6
P846 - Ruthenium (Ru)	8	10	10	10
P847 - Samarium (Sm)	8	10	10	10
P848 - Scandium (Sc)	8	10	10	10
P853 - Strontium (Sr)	8	10	10	6
P856 - Terbium (Tb)	8	10	10	10
P859 - Thulium (Tm)	14	18	18	18
P863 - Uranium (U)	15	18	18	8
P865 - Ytterbium (Yb)	4	5	5	4
P866 - Yttrium (Y)	8	10	10	10
P869 - Continuum (H2)		40		