



1.5" DIAMETER HOLLOW CATHODE LAMP OPERATING DATA FOR COMMON ELEMENT LAMPS

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 precise instructions of lamp run currents. By using this chart, the lamp will provide optimum performance and achieve the longest possible lamp life. ** Please carefully select the correct current setting from the data below for your instrument. Should you have any questions when using this lamp, please contact your distributor.

Photron P/N	Element	GBC SB-900	GBC 903,905, 901, 902	GBC 904,906	GBC 933,933B	GBC 908, Avanta	GBC Prospector	GBC SensAA	GBC Explorer	Shimadzu AA-6800	Shimadzu AA-6300	Shimadzu AA-6200	Shimadzu All Others	Jena novAA® 300 & 400	Jena Zeeman ZEE nit 600/ 650/700	Varian SpectrAA 5/10	Varian 200/300/400/100	Varian 200/300/400	Varian 600/640/800	Varian SpectrAA-50/55	Varian AA140 & AA240	Varian AA240FS & AA280FS	Varian AA Duo	Varian 30Z/40Z	Varian 300Z/400Z	Varian 640Z/800Z	Thermo All Models	Thermo M series	Thermo S series
P801	Aluminium (Al)	10mA	10mA	10mA	20mA	6mA	10mA	10mA	10mA																				
P802	Antimony (Sb)	10mA	10mA	10mA	20mA	7mA	8mA	10mA	10mA																				
P803	Arsenic (As)	8mA	7mA	8mA	16mA	5mA	7mA	10mA	10mA																				
P804	Barium (Ba)	15mA	15mA	15mA	20mA	6mA	15mA	10mA	10mA																				
P805	Beryllium (Be)	10mA	10mA	10mA	20mA	5mA	10mA	10mA	10mA																				
P806	Bismuth (Bi)	10mA	8mA	10mA	20mA	4mA	10mA	10mA	10mA																				
P807	Boron (B)	20mA	18mA	20mA	40mA	8mA	18mA	12mA	20mA																				
P808	Cadmium (Cd)	4mA	3mA	4mA	8mA	3mA	4mA	3mA	3mA																				
P809	Calcium (Ca)	5mA	4mA	5mA	10mA	4mA	4mA	4mA	5mA																				
P810	Cesium (Cs)	20mA	18mA	20mA	40mA	6mA	20mA	18mA	20mA																				
P812	Chromium (Cr)	6mA	6mA	6mA	12mA	5mA	6mA	6mA	6mA																				
P813	Cobalt (Co)	10mA	10mA	10mA	20mA	7mA	10mA	10mA	10mA																				
P814	Copper (Cu)	4mA	4mA	4mA	8mA	3mA	4mA	4mA	4mA																				
P819	Gallium (Ga)	5mA	5mA	5mA	10mA	3mA	4mA	4mA	5mA																				
P820	Germanium (Ge)	5mA	5mA	5mA	10mA	4mA	4mA	5mA	5mA																				
P821	Gold (Au)	5mA	5mA	5mA	10mA	5mA	4mA	4mA	5mA																				
P824	Indium (In)	5mA	5mA	5mA	10mA	3mA	5mA	3mA	5mA																				
P825	Iridium (Ir)	18mA	18mA	18mA	30mA	9mA	18mA	18mA	18mA																				
P826	Iron (Fe)	6mA	6mA	6mA	12mA	6mA	5mA	5mA	6mA																				
P828	Lead (Pb)	4mA	4mA	4mA	8mA	3mA	4mA	3mA	4mA																				
P829	Lithium (Li)	10mA	10mA	10mA	20mA	4mA	10mA	10mA	10mA																				
P831	Magnesium (Mg)	4mA	4mA	4mA	8mA	2mA	4mA	3mA	4mA																				
P832	Manganese (Mn)	5mA	5mA	5mA	10mA	7mA	5mA	4mA	5mA																				
P833	Mercury (Hg)	3mA	3mA	3mA	6mA	3mA	3mA	2mA	3mA																				
P834	Molybdenum (Mo)	7mA	7mA	7mA	15mA	7mA	7mA	7mA	7mA																				
P836	Nickel (Ni)	5mA	5mA	5mA	10mA	5mA	5mA	5mA	5mA																				
P839	Palladium (Pd)	10mA	10mA	10mA	15mA	6mA	10mA	10mA	10mA																				
P840	Platinum (Pt)	10mA	10mA	10mA	20mA	6mA	7mA	7mA	10mA																				
P841	Potassium (K)	10mA	10mA	10mA	20mA	4mA	10mA	10mA	10mA																				
P844	Rhodium (Rh)	6mA	6mA	6mA	10mA	4mA	6mA	6mA	6mA																				
P845	Rubidium (Rb)	10mA	10mA	10mA	20mA	6mA	10mA	10mA	10mA																				
P849	Selenium (Se)	10mA	8mA	10mA	20mA	6mA	10mA	8mA	10mA																				
P850	Silicon (Si)	14mA	12mA	14mA	30mA	7mA	12mA	12mA	14mA																				
P851	Silver (Ag)	4mA	4mA	4mA	8mA	4mA	3mA	3mA	4mA																				
P852	Sodium (Na)	5mA	5mA	5mA	10mA	3mA	5mA	5mA	5mA																				
P853	Strontium (Sr)	10mA	10mA	10mA	20mA	6mA	10mA	7mA	10mA																				
P854	Tantalum (Ta)	18mA	18mA	18mA	30mA	8mA	18mA	18mA	18mA																				
P855	Tellurium (Te)	7mA	6mA	7mA	15mA	7mA	6mA	6mA	7mA																				
P860	Tin (Sn)	8mA	8mA	8mA	12mA	6mA	8mA	8mA	8mA																				
P861	Titanium (Ti)	18mA	18mA	18mA	25mA	7mA	18mA	18mA	18mA																				
P862	Tungsten (W)	18mA	18mA	18mA	30mA	8mA	18mA	18mA	18mA																				
P863	Uranium (U)	18mA	18mA	18mA	30mA	8mA	18mA	18mA	18mA																				
P864	Vanadium (V)	20mA	18mA	18mA	30mA	6mA	18mA	18mA	18mA																				
P865	Ytterbium (Yb)	5mA	5mA	5mA	10mA	4mA	5mA	4mA	5mA																				
P867	Zinc (Zn)	5mA	5mA	5mA	10mA	4mA	5mA	4mA	5mA																				
P868	Zirconium (Zr)	18mA	18mA	18mA	30mA	7mA	18mA	18mA	18mA																				
P869	Continuum (H2)	40mA	40mA																										
P870	Ca/ Mg	5mA	5mA	5mA	10mA	3mA	5mA	5mA	5mA																				
P871	Na/K	10mA	10mA	10mA	20mA	6mA	10mA	8mA	10mA																				
P872	Cu/Zn	5mA	5mA	5mA	10mA	3mA	5mA	4mA	5mA																				
P873	Cr/Co/Cu/Fe/Mn/Ni	10mA	10mA	10mA	20mA	6mA	10mA	8mA	10mA																				
P874	Phosphorus (P)	20mA	20mA	20mA	20mA	7mA	20mA	20mA	20mA																				

1.5" DIAMETER HOLLOW CATHODE LAMP OPERATING DATA FOR UNCOMMON ELEMENT LAMPS

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P811	Cerium (Ce)	10mA	10mA	10mA	20mA	10mA	10mA	10mA	10mA
P815	Dysprosium (Dy)	18mA	18mA	18mA	30mA	18mA	18mA	18mA	18mA
P816	Erbium (Er)	10mA	10mA	10mA	20mA	10mA	10mA	10mA	10mA
P817	Europium (Eu)	12mA	12mA	12mA	20mA	12mA	10mA	10mA	12mA
P818	Gadolinium (Gd)	18mA	18mA	15mA	30mA	18mA	15mA	10mA	18mA
P822	Hafnium (Hf)	12mA	12mA	12mA	20mA	12mA	10mA	8mA	12mA
P823	Holmium (Ho)	18mA	18mA	18mA	30mA	18mA	15mA	12mA	18mA
P827	Lanthanum (La)	18mA	18mA	18mA	30mA	18mA	14mA	10mA	10mA
P830	Lutetium (Lu)	10mA	10mA	10mA	20mA	10mA	15mA	10mA	10mA
P835	Neodymium (Nd)	18mA	18mA	18mA	30mA	18mA	15mA	12mA	18mA
P837	Niobium (Nb)	18mA	18mA	18mA	30mA	18mA	15mA	12mA	18mA
P838	Osmium (Os)	18mA	18mA	18mA	30mA	18mA	15mA	12mA	12mA
P842	Praseodymium (Pr)	12mA	12mA	12mA	20mA	12mA	10mA	8mA	12mA
P843	Rhenium (Re)	18mA	15mA	15mA	24mA	15mA	12mA	10mA	15mA
P846	Ruthenium (Ru)	10mA	10mA	10mA	20mA	10mA	8mA	6mA	10mA
P847	Samarium (Sm)	10mA	10mA	10mA	20mA	10mA	8mA	6mA	10mA
P848	Scandium (Sc)	10mA	10mA	10mA	20mA	10mA	8mA	7mA	10mA
P856	Terbium (Tb)	10mA	10mA	10mA	20mA	10mA	8mA	5mA	10mA
P857	Thallium (Tl)	7mA	7mA	7mA	7mA	7mA	5mA	4mA	5mA
P858	Thorium (Th)	10mA	10mA	10mA	20mA	10mA	8mA	6mA	10mA
P859	Thulium (Tm)	18mA	18mA	18mA	30mA	18mA	14mA	10mA	18mA
P866	Yttrium (Y)	10mA	10mA	10mA	20mA	10mA	8mA	6mA	10mA