

HOLLOW CATHODE LAMP

FEATURES

- 1 Low detection limits**
 State-of-the-art manufacturing techniques ensure maximum stability and sharp emission lines enabling lowest possible detection level.
- 2 Low warm-up time**
 Lamp achieves its maximum stability level very quickly enabling immediate analysis. Even the most volatile elements such as lead and cadmium have short warm-up time.
- 3 Extended lamp life**
 Superior design, high quantity components and strict quality control ensures long service life of 5000mA hours of service life of lamps with all elements except for As and Se that have service life of 3000mA hours.



**HOLLOW CATHODE LAMP
WITH IRON ELEMENT**

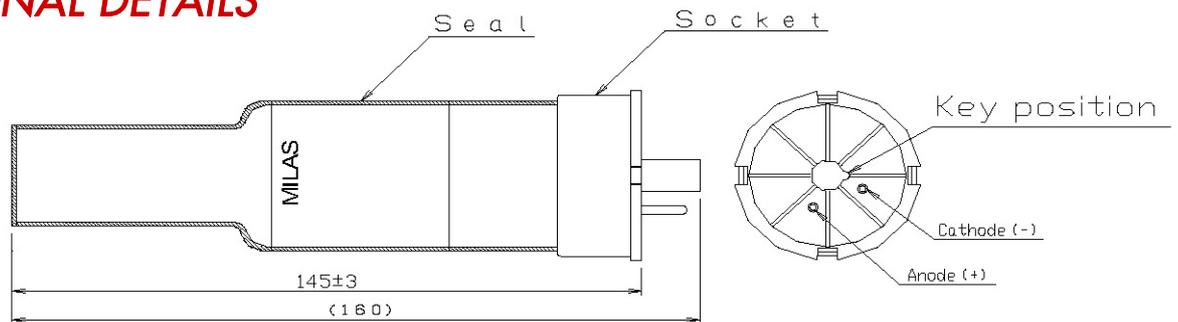
TECHNICAL SPECIFICATIONS

| Elements | Wave length (nm) | | Rated Current | | Life (mA·hrs) | Window material |
|----------|------------------|-------|---------------|-----|---------------|------------------|
| | | | Normal | Max | | |
| Ag | 328.1 | 338.3 | 5 | 15 | 5000 | Synthetic Quartz |
| Al | 309.3 | 396.2 | 7.5 | 15 | " | " |
| As | 193.7 | 197.2 | 10 | 12 | " | " |
| Au | 242.8 | 267.6 | 10 | 20 | " | " |
| B | 249.8 | | 10 | 20 | " | " |
| Ba | 553.6 | 350.1 | 10 | 15 | " | " |
| Be | 234.9 | | 10 | 15 | " | " |
| Bi | 223.1 | 306.8 | 10 | 15 | " | " |
| Ca | 422.7 | | 7.5 | 15 | " | " |
| Cd | 228.8 | 326.1 | 6 | 15 | " | " |
| Co | 240.7 | 352.7 | 10 | 15 | " | " |
| Cr | 357.9 | 359.3 | 7.5 | 15 | " | " |
| Cs | 852.1 | | 10 | 15 | " | " |
| Cu | 324.8 | 327.4 | 5 | 15 | " | " |
| Dy | 404.6 | 421.2 | 10 | 15 | " | " |
| Er | 400.8 | 415.1 | 10 | 15 | " | " |
| Fe | 248.3 | 372.0 | 10 | 15 | " | " |
| Ga | 294.4 | 417.2 | 10 | 15 | " | " |
| Ge | 265.2 | 259.3 | 10 | 20 | " | " |
| Hf | 307.3 | 286.6 | 10 | 15 | " | " |
| Hg | 253.7 | | 6 | 10 | " | " |
| In | 303.9 | 325.6 | 10 | 20 | " | " |
| Ir | 208.9 | 264.0 | 10 | 20 | " | " |
| K | 766.5 | 404.4 | 10 | 15 | " | " |
| La | 550.1 | 357.4 | 12.5 | 20 | " | " |
| Li | 670.8 | 610.4 | 10 | 15 | " | " |
| Mg | 285.2 | 202.5 | 7.5 | 15 | " | " |
| Mn | 279.5 | 403.1 | 5 | 15 | " | " |
| Mo | 313.3 | 317.0 | 10 | 20 | " | " |
| Na | 589.0 | 330.2 | 10 | 15 | " | " |
| Nb | 334.9 | 358.0 | 10 | 20 | " | " |
| Ni | 232.0 | 341.5 | 10 | 15 | " | " |

TECHNICAL SPECIFICATIONS

| Elements | Wave length (nm) | | Rated Current | | Life (mA·hrs) | Window material |
|-------------------|--|-------|---------------|-----|------------------|--------------------|
| | | | Normal | Max | | |
| Pb | 217.0 | 283.3 | 7.5 | 15 | 5000 | Synthetic Quartz |
| Pd | 244.8 | 247.6 | 10 | 20 | " | " |
| Pt | 265.9 | 299.8 | 10 | 20 | " | " |
| Rb | 780.0 | 794.8 | 10 | 15 | " | " |
| Rh | 343.5 | 369.2 | 10 | 20 | " | " |
| Ru | 349.9 | 392.5 | 10 | 20 | " | " |
| Sb | 217.6 | 231.2 | 10 | 20 | " | " |
| Sc | 391.2 | 390.7 | 7.5 | 15 | " | " |
| Se | 196.0 | 204.0 | 12.5 | 16 | " | " |
| Si | 251.6 | 288.2 | 10 | 20 | " | " |
| Sn | 224.6 | 286.3 | 10 | 15 | " | " |
| Sr | 460.7 | | 10 | 15 | " | " |
| Ta | 271.5 | 277.6 | 10 | 20 | " | " |
| Te | 214.3 | 225.9 | 10 | 15 | " | " |
| Ti | 364.3 | 365.3 | 10 | 20 | " | " |
| Tl | 276.8 | 377.6 | 10 | 15 | " | " |
| V | 318.4 | 385.6 | 10 | 20 | " | " |
| W | 255.1 | 400.9 | 10 | 20 | " | " |
| Y | 410.2 | 407.7 | 10 | 12 | " | " |
| Yb | 398.8 | 346.4 | 10 | 15 | " | " |
| Zn | 213.9 | 307.6 | 5 | 15 | " | " |
| Zr | 360.1 | 468.8 | 10 | 20 | " | " |
| Ca-Mg | Please refer to the above data of single elements. | | 7.5 | 15 | " | " |
| Cd-Pb | | | 10 | 15 | " | " |
| Cd-Zn | | | 10 | 20 | " | " |
| Cu-Fe-Mn | | | 18 | 20 | " | " |
| Cu-Mn-Si | | | 18 | 20 | " | " |
| Cu-Fe-Ni | | | 15 | 20 | " | " |
| Fe-Mn-Ni | | | 18 | 20 | " | " |
| Cr-Cu-Mn | | | 12 | 20 | " | " |
| Cr-Cu-Fe-Mn-Ni | | | 18 | 20 | " | " |
| Co-Cr-Cu-Fe-Mn-Ni | | | 18 | 20 | " | " |

DEMENSIONAL DETAILS



DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS
ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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