

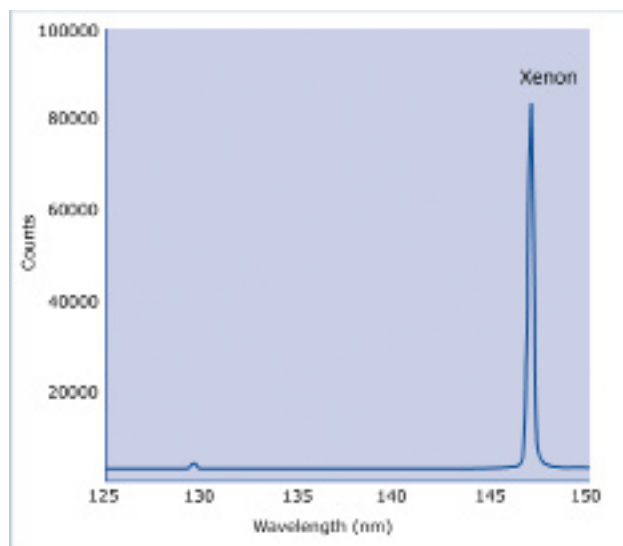
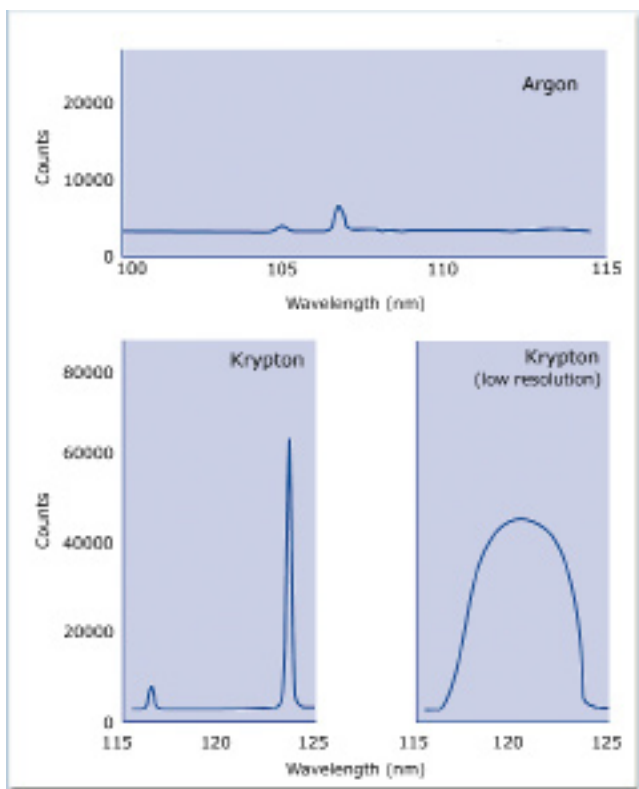
PID Lamps (Photoionisation Lamps) from Heraeus Noblelight



PID lamps are low pressure discharge lamps. Depending on the gas fill, they emit intense spectral lines in the range of 105 and 150 nm. Applications include gas chromatography, trace gas analysis, portable gas sniffers and sample ionisation for mass spectrometry.

The life span of a Heraeus Noblelight PID lamp usually exceeds 3000 hours at ambient temperature. Lamps in the following variations are offered:

- different gas fills (xenon, krypton, hydrogen, argon)
- different window materials with different cut-off wavelengths
- DC or RF (electromagnetic field) excited lamps
- ionising energy from 8.4 eV to 11.8 eV

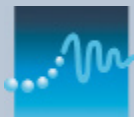


Left Image: Relative Spectral Output - Argon/Krypton
Top Image: Relative Spectral Output - Xenon

ORDER INFORMATION

| Type/Description | Gas Fill | Photon Energy (eV) | Current (mA) | Ignition Time (s) | Dimensions (mm) | Part No. |
|--|----------|--------------------|--------------|-------------------|-----------------|----------|
| Photoionisation Lamps, DC Excited | | | | | | |
| PAL 118 | Argon | 11.8 | ≤2 | 1-2 | 56 x 34.7 | 80017617 |
| PAS 118 | Argon | 11.8 | ≤2 | 1-2 | 52 x 19.6 | 80017619 |
| PKA 100 | Krypton | 10.0 | - | - | - | 80017628 |
| PKA 106 | Krypton | 10.6 | - | - | - | 80017630 |

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PID Lamps (Photoionisation Lamps) from Heraeus Noblelight

ORDER INFORMATION (continued)

| Type/Description | Gas Fill | Photon Energy (eV) | Current (mA) | Ignition Time (s) | Dimensions (mm) | Part No. |
|--|-----------|--------------------|--------------|-------------------|-----------------|----------|
| PKL 102 | Krypton | 10.6 | ≤2 | 1-2 | 56 x 34.7 | 80017631 |
| PKS 100 | Krypton | 10.0 | - | - | - | 80017640 |
| PKS 106 | Krypton | 10.6 | ≤2 | 1-2 | 52 x 19.6 | 80017644 |
| PXS 084 | Xenon | 8.4 | ≤2 | 1-2 | 52 x 19.6 | 80017651 |
| PXS 096 | Xenon | 9.6 | ≤2 | 1-2 | 52 x 19.6 | 80017652 |
| Photoionisation Lamps, RF Excited | | | | | | |
| PAR 118 | Argon | 11.8 | 80-150 | 0.1 | 58 x 12.7 | 80017618 |
| PDR 102 | Deuterium | 10.2 | 80-150 | 0.1 | 58 x 12.7 | 80017620 |
| PDR 190 | Deuterium | continuum >190 nm | 80-150 | 0.1 | 58 x 12.7 | 80017621 |
| PHR 049 | Hydrogen | 4.9 | 80-150 | 0.1 | 58 x 12.7 | 80017627 |
| PKR 106 | Krypton | 10.6 | 80-150 | 0.1 | 58 x 12.7 | 80014420 |
| PKR 106-6 mm | Krypton | 10.6 | - | - | 30 x 6 | 80041381 |
| PXR 084 | Xenon | 8.4 | 80-150 | 0.1 | 58 x 12.7 | 80017649 |
| PXR 096 | Xenon | 9.6 | 80-150 | 0.1 | 58 x 12.7 | 80017650 |

Current prices at: www.msscientific.de/pid_lamps_pdfpricelist.pdf.