

**EXCELITAS**

DC  
Photoionization  
Lamp



# EXCELITAS DC Photoionization Lamp Instructions

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**EXCELITAS**

## EXCELITAS DC Photoionization Lamp



## Application area

The DC photoionization lamp is a gas discharge lamp and has been designed to be used within photoionization detectors, gas chromatography, mass spectrometry and ion mobility spectrometry devices.

This product is not in scope of the current version of EU Regulation 2019/2020. It must not be used for general lighting. Any use in other than the intended applications is not admissible.

## Safety

### Safety information



Follow the safety instructions. Non-observance of the safety notes may cause hazards to persons, the environment, and the product.



#### **WARNING ultraviolet radiation**

This product belongs to Risk group 1. Low risk, pursuant to EN 62471 (Photobiological safety of lamps and lamp systems). Safe for most applications apart from direct long exposure very close proximity (<1m) viewing. Minimize exposure to eyes and skin. Use appropriate shielding. In normal applications, the lamp is inside an instrument and cannot be viewed directly. Even if the lamp were to be somehow run in the open the optical risks are extremely low. See note above.

## Transport and handling



Transport the product in its original packing to the place of installation. The cleanliness of the PID lamp crystal window is extremely important to ensure high photon output and good detector sensitivity. Finger grease on the crystal window leads to primary VUV line output losses. Avoid touching the lamp with bare hands. Wear gloves.

Prior to installation, check the DC photoionization lamp for mechanical damage. Never use damaged DC photoionization lamps.

## Installation

De-energize the unit before commencing work on it in accordance with the relevant safety precautions for working with electrical equipment. Install or replace the lamp in the instrument according to the instruction manual of the instrument in which the lamp is used. Allow the lamp to cool sufficiently to prevent burns from hot surfaces in the case of heated instrumentation. The lamp itself does not generate much heat as the input power is normally less than 1 W, so in non-heated equipment, there are no risks of heat burns. Only use the tools described in the maintenance manual to replace the lamp.

The lamp has bare electrode surfaces and the equipment in which the lamp is designed to fit has the appropriate mounts and electrical contacts.

## Disposal

**RoHS:** Photoionisation lamps are in scope of the Directive 2011/65/EU (RoHS II, Category 5 Lighting equipment) as amended and are RoHS II compliant.

**China RoHS:** Photoionisation lamps are subject to the administration rules of the People's Republic of China,

Directive No.



32 of 6 January 2016. According to standard SJ/T 11364-2014, photoionization lamps must be marked with the EFUP sign shown here. The table below shows the names of the hazardous substances and where they are located in the product in concentrations above the limits. The lamps should be recycled in accordance with the legal requirements regarding waste electrical and electronic equipment.

Component Name	Hazardous Substances					
	Lead (Pb)	Mercury (Hg) and Compounds	Cadmium (Cd)	Chromium VI Compounds (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ether (PBDE)
Glas frit	X	O	O	O	O	O

**REACH:** Note pursuant to Article 33 REACH 1907/2006: the glass frit contains more than 0,1% lead (CAS No. 7439-92-1).

**WEEE:** DC photoionization lamps are in scope of Directive 2012/19/EU WEEE and can be classified according to Annex 3(3) and 4(3) (Lamps: Gas Discharge Lamps). DC photoionization lamps may not be disposed of in normal commercial or industrial waste. EU users must dispose of the lamps at a communal recycling center for electrical and electronic waste. Other users should recycle, otherwise dispose of the lamps in accordance with the relevant legal requirements.

### Conformity

This product is in compliance with the EU Low Voltage Directive and the EU RoHS directive. A complete Declaration of Conformity will be provided on request.

### Complaints

In the event of a complaint, return the DC photoionization lamp in its original packaging to the dealer or the address provided.


### CONTACT

PT. Excelitas Technologies Batam  
Lot 207 and Lot 209, Jalan Beringin,  
BIP Mukakuning, Batam 29433,  
Kepulauan Riau,  
Indonesia  
[www.excelitas.com](http://www.excelitas.com)

### Documents / Resources

	<a href="#">EXCELITAS DC Photoionization Lamp</a> [pdf] Instructions DC Photoionization Lamp, Photoionization Lamp, Lamp
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### References

-  [Homepage](#) | [Excelitas](#)
- [User Manual](#)

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