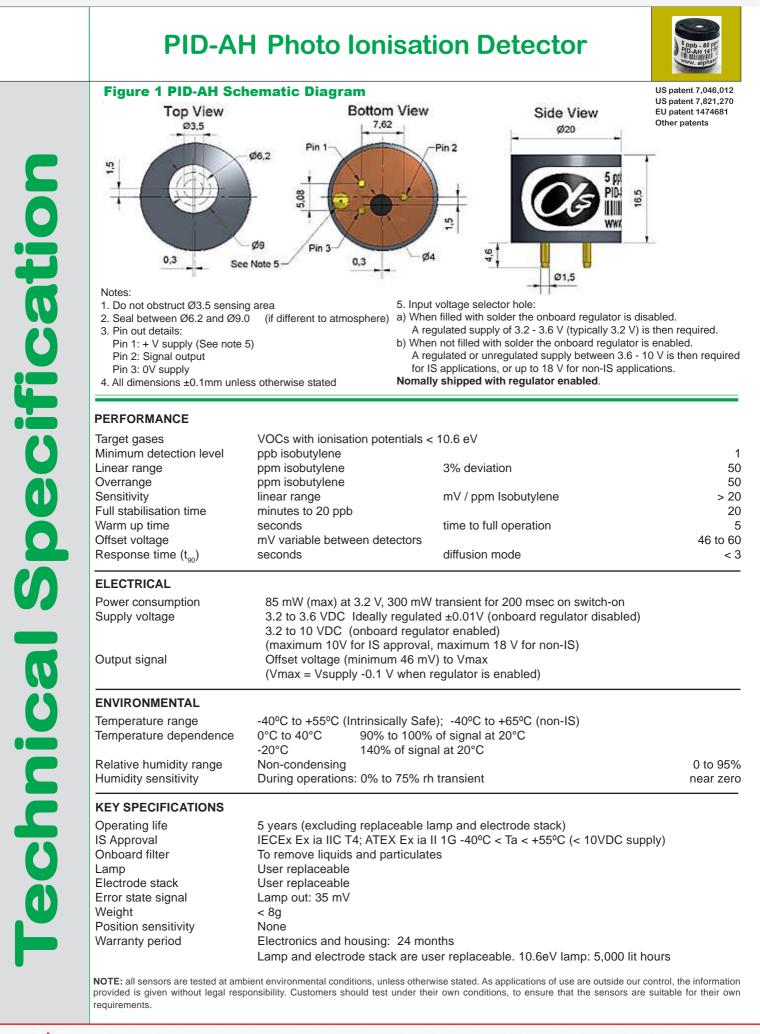
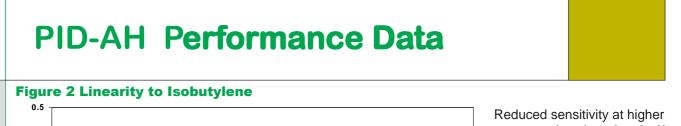
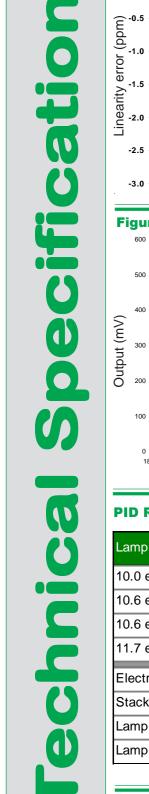
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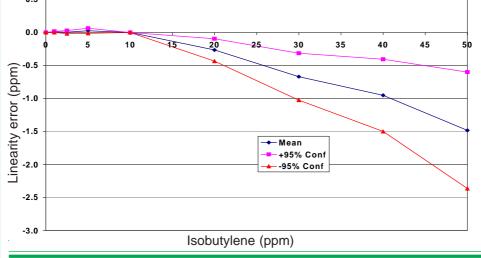


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Reduced sensitivity at higher concentrations is a chemical/ physical effect and can be corrected in software for a specific VOC.

Non-linearity correction depends on the VOC being measured.

## Figure 3 Selecting the right lamp

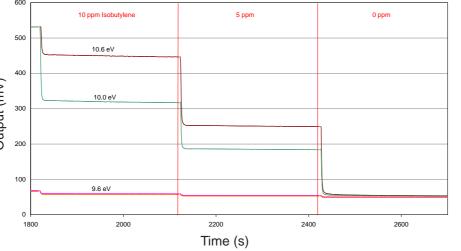


Figure 3 compares the output to 5 and 10ppm Isobutylene for 9.6 eV, 10.0 eV and 10.6eV lamps.

9.6eV lamps are slightly more selective for BTEX detection, but 10.0 eV lamps give better sensitivity.

## **PID Replaceable Parts/Consumables List**

Lamp type	Product code	Minimum sensitivity mV/ppm	Minimum range ppm isobutylene	Lamp life lit hours
10.0 eV	001-0030-02	0.2	9000	5000
10.6 eV (HPPM)	001-0019-04	0.3	6000	2000
10.6 eV (LLHS)	001-0030-01	0.8	2000	5000
11.7 eV	001-0019-03			24
Electrode stack	001-0018-01	3		
Stack removal tool	001-0020-00	os		
Lamp spring	001-0023-00	a 1		
Lamp cleaning kit	001-0024-00	9 		

At the end of the product's life, do not dispose of any electronic sensor, component or instrument in the domestic waste, but contact the instrument manufacturer, Alphasense or its distributor for disposal instructions.

For further information on the performance of this sensor, on other sensors in the range or any other subject, please contact Alphasense Ltd. For Application Notes visit "

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