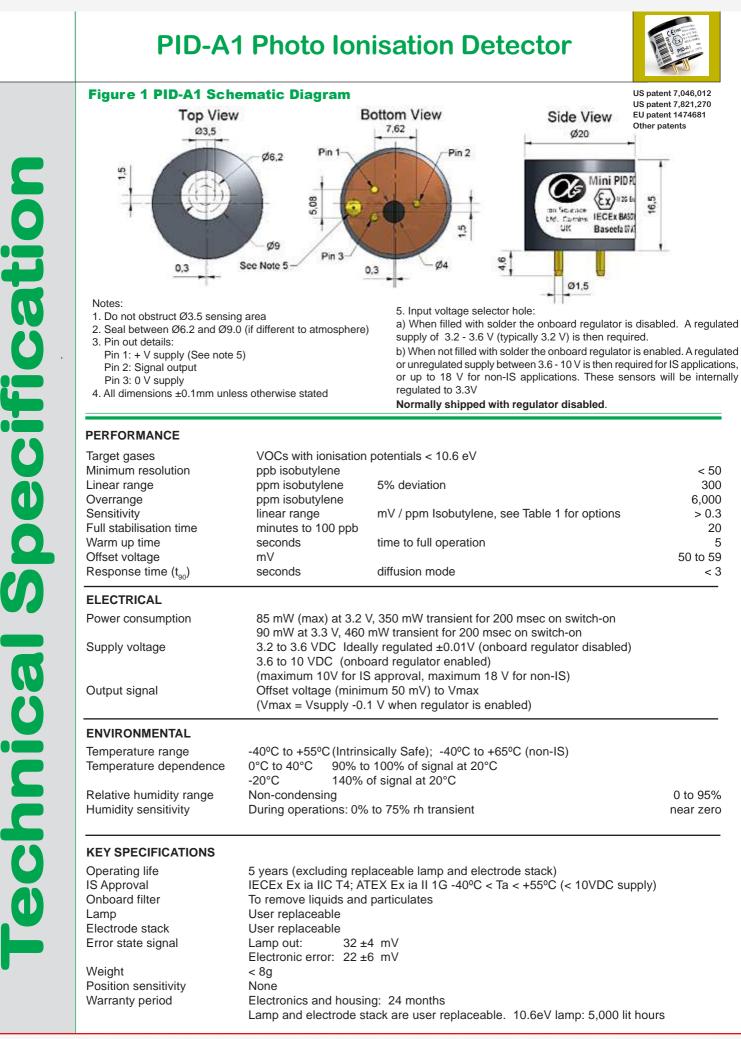
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Add: 16/F, Bldg. #3, Zhongke Mansion, No.1 Hi-Tech S. Rd, Hi-Tech Park South, Shenzhen, Guangdong, 518067 P.R.China Tel: + 86-755-83289036

Fax: + 86-755-83289052 E-mail: sales@isweek.com

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PID-A1 Performance Data

Figure 2 Sensitivity Temperature Dependence

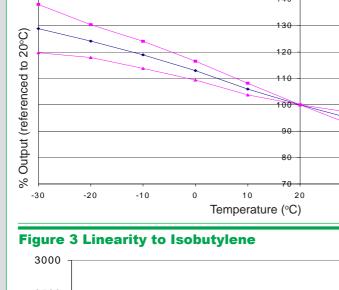
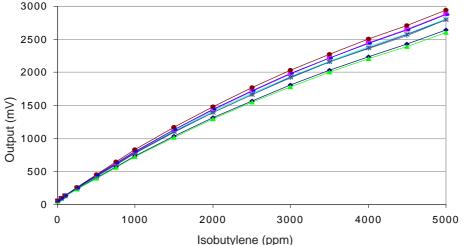


Figure 2 shows the temperature dependence, corrected for the gas law.

This data is taken from a typical batch of PID-A1 sensors tested with 100ppm Isobutylene.

The mean and $\pm 95\%$ confidence intervals are shown.



PID output is non-linear at higher concentrations but is repeatable and can be corrected in software.

Non-linearity correction depends on the VOC being measured.

Table 1: 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	001-0018-02	ð		
Stack removal tool	001-0020-00	*		
Lamp spring	001-0023-00	**************************************		
Lamp cleaning kit	001-0024-00			

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NOTE: all sensors are tested at ambient environmental conditions, unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

X

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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