

Technical Bulletin 151

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New 'HPPM' MiniPID pellet: Enhanced Performance

Ion Science has worked vigorously to improve the quality of lamps which are used within the MiniPID sensor. Our lamps are of a more consistent performance and strike dependably. These improvements have been attended by a trend to increased lamp light output, which may cause a MiniPID ppm sensor to deliver a saturated signal at concentrations of VOC near to the advised upper detection limit.

To support these improvements Ion Science has now developed the new *HPPM* PID pellet.

The HPPM pellet is compatible with our contemporary, more powerful lamps and reliably delivers PID gas sensing from 0.1 ppm to 6,000 ppm isobutylene equivalent.

The linear performance has also been extended, allowing the HPPM pellet to deliver a more assured and accurate response over the detection range.

In order to realise these improvements the HPPM pellet is now specified as delivering > 0.7 mV/ppm in the linear range.

Humidity resistance remains central to our pellet design and is achieved by means of our patented Fence Electrode Technology. The pellet is also less affected by percentage concentrations of methane or other PID response suppressing compounds.

A full range of ordering codes can be found in our new MiniPID brochure, which also lists other improvements to our product range, and can be downloaded from our website.

To upgrade an existing PPM MiniPID with new lamp and HPPM stack, please order LA42SM60 @ £65.

For more information contact Ion Science

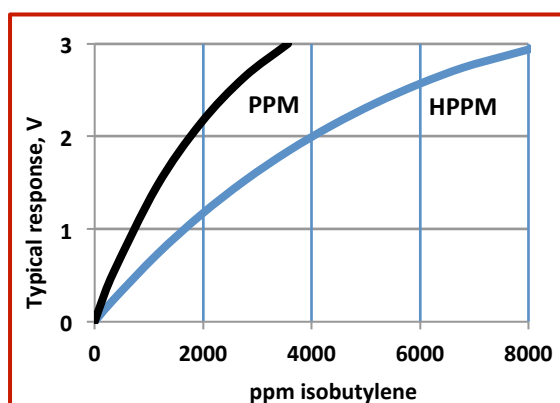
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- Wider range
- Improved Linearity
- Increased Accuracy
- Humidity resistant



Typical response

Linear performance

