



Technical Bulletin 169

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ION Science MiniPID 2: New lamp provides exceptional lifetime performance

As part of our continued effort to deliver the best performing PID sensors on the market we are pleased to announce the latest innovation to the MiniPID 2: a new long-life 10.6 eV lamp.

This new lamp gives us the dual advantage of a proven 60% increase in life span and greater overall stability. It will be fitted as standard in all our 10.6 eV and 10 eV MiniPID products giving exceptional long-term performance with a lifetime of over 10,000 hours continuous operation.

This latest development is the result of market feedback and our program of continuous improvement, striving to deliver ever better performing PID sensors to our customers.



Benefits of this lamp include:

- Exceptional long-term performance with a lifetime of over 10,000 hours continuous operation.
- Reduced servicing of lamps.
- Improved stability performance over time and confidence in accurate measurement for long-term continuous monitoring applications.
- Simplified spares ordering – one lamp fits all PIDs.

For more information contact

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What this means for you

The new long-life 10.6 eV lamp is brighter than our previous lamp. In order to keep the same detection range, the sensor will also change to balance the increased brightness of the new long-life lamp. The previous lamp will still be available as a replacement for existing sensors.

Note: in the event new long-life lamps are used in old specification sensor bodies, the MiniPID may be more sensitive but the detection range will be reduced:

- 'ppm' = max detection would typically be limited to 2500 ppm instead of 6000 ppm
- 'ppb' = max detection would typically be limited to 30 ppm instead of 40 ppm

If the full detection limit is required it is important that the correct spare lamp is ordered. This is listed at the end of the bulletin.

From June the previous specification of MiniPID sensor will no longer be available for purchase, only the replacement lamps. All new MiniPID sensors will come with a long-life lamp.

Identification of new product

The new MiniPID sensor (compatible with long-life lamps) can be identified by an 'L' on the serial label.



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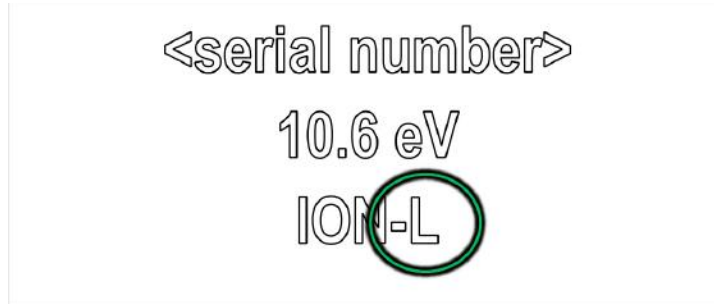
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Long-life lamps can be identified by the addition of an 'L' on the lamp engraving:



Update to order codes

The order codes for all ppm, ppb and 10 eV MiniPIDs have been updated to record this change.

Model	Intrinsic safety (IS)	Supply voltage	New Order Code
ppm	ULCSA & ATEX	3.0 - 3.6 V unregulated	MP3SMLLBU2
	ATEX	3.6 - 10 V regulated	MP3SMLLCU2
	non-certified	3.6 - 18 V regulated	MP3SMLLNU2
ppb	ULCSA & ATEX	3.0 - 3.6 V unregulated	MP3SBLBBU2
	ATEX	3.6 - 10 V regulated	MP3SBLBCU2
	non-certified	3.6 - 18 V regulated	MP3SBLBNU2
10 eV	ULCSA & ATEX	3.0 - 3.6 V unregulated	MP3SBL0BU2
	ATEX	3.6 - 10 V regulated	MP3SBL0CU2
	non-certified	3.6 - 18 V regulated	MP3SBL0NU2

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There is a new part number for replacement long-life lamps. Please note all long-life lamps will be completely interchangeable between new 'ppm', 'ppb' and 10 eV product - only one part number is now required.

Item	Description	Part number
Replacement lamp for existing ppm and 10 eV sensors	MiniPID Lamp (Krypton) 10.6eV	LA4SM600
Replacement lamp for existing ppb sensors	MiniPID Lamp (Krypton) PPB	LA4SB600
Replacement long-life lamp for all new sensors	MiniPID2 Long Life Lamp (Krypton) 10.6eV	LA4SXL

New long life sensors will be available for trial from 06.06.2016 and for general sale from 13.06.2016 – contact us for more information!

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