App-Tek INTERNATIONAL PTY LTD

Brisbane Head Office 13/6 Pinacle Street (PO Box 5523) BrendaleQld.4500
Telephone Australia **(07) 3881 3850** International +61 7 3881 3850
Facsimile Australia (07) 3881 2713 International +61 7 3881 2713
E-mail Tech@odalog.com **Web Page** www.odalog.com

Technical Bulletin

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OdaLog Type I, Premature Battery Failure

Potential for premature battery failure!

Recent in-field testing and customer feedback has highlighted a potential problem if a low measuring range OdaLog is used in a high measuring range application.

The OdaLog models OL05 & OL03 monitor for H2S gas in the range of 0-200 ppm and have been designed for use in atmospheres that contain up to 200-ppm H2S gas.

In order to provide the user with a very stable and accurate instrument the maximum over range on these models, has been set in the vicinity of 270-ppm, sensor dependant. If this maximum over range is exceeded the instruments electronics will saturate and potentially draw an excessive amount of current. This in turn will lead to a dramatic decrease in battery life. In fact, it may be in the order of several hours instead of months.

OdaLog models OL01 & OL04 have an operating range of 0-50 ppm and have been designed for use in atmospheres that contain up to 50 ppm H2S gas and have their maximum over range set in the vicinity of 100-ppm, sensor dependant.

OdaLog model OL02 has a range of 0-1000 ppm and is designed for use in atmospheres that contain up to 1000 ppm H2S gas and has its maximum over range set in the vicinity of 1200-ppm, sensor dependant.

If any of your future applications potentially exceed the specifications of your current instrument an upgrade to a higher range sensor is recommended.

Please contact your nearest sales / service centre for further advice.