



Member of the FM Global Group

October 16, 2015

## Product Alert

### Type of Notification: Product Safety Notification

FM Approvals has been notified by Advanced Sensors Ltd. of a potential safety concern involving FM Approved Advanced Sensors EX 1000P Inline Probe when installed with a SA-100P, SA-100P2, SA-1000P or SA-1000P2 Safe Area Analyzer sold between February 2014 and August 2015.

<b>Company Identity:</b>	Advanced Sensors
<b>Name:</b>	Advanced Sensors Ltd.
<b>Address:</b>	8 Meadowbank Road, Carrickfergus, County Antrim BT38 8YF, United Kingdom

<b>Contact Information:</b>	<b>Advanced Sensors Response Center</b>  Phone: +44 (0) 28 9335 6498  Or  email at <a href="mailto:ASL.ResponseCenter@pacpl.com">ASL.ResponseCenter@pacpl.com</a> .
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<b>Product Identity:</b>	Advanced Sensors EX 1000P Inline Probe when installed with a SA-100P, SA-100P2, SA-1000P or SA-1000P2 Safe Area Analyzer sold between February 2014 and August 2015.
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<b>Description:</b>	<p>Advanced Sensors Ltd has identified a potential safety concern involving FM Approved Advanced Sensors EX 1000P Inline Probe when installed with a SA-100P, SA-100P2, SA-1000P or SA-1000P2 Safe Area Analyzer sold between February 2014 and August 2015.</p> <p>End users who have an Advanced Sensors SA-100P, SA-100P2, SA-1000P or SA-1000P2 Safe Area's analyzer where any part of the system is in a hazardous area location or a potentially hazardous area location should take immediate steps both to power down the unit and remove it from service.</p> <p>In circumstances where the probe is installed in a hazardous area location or a potentially hazardous area location, the current gland design could allow the gland connection to permit vapors to be transmitted to the safe area enclosure. There is a possibility that a gas leak from the gland connection of the analyzer could result in catastrophic personal injury, death, and/or property damage. Consequently, Advanced Sensors has initiated an urgent program to promptly address any relevant analyzers</p>
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	currently at risk. Advanced Sensors has not received any reports to date of any analyzer failures, but Advanced Sensors is taking this action in an abundance of caution in the interest of safety and avoiding potential risks.
<b>Make/Model:</b>	Advanced Sensors EX 1000P Inline Probe when installed with a SA-100P, SA-100P2, SA-1000P or SA-1000P2 Safe Area Analyzer.
<b>Nameplate Data</b>	Advanced Sensors EX1000P PROBE
<b>FM Approval Status:</b>	FM Approved

### **Hazard Involved:**

Advanced Sensors Ltd has issued an urgent product safety notice regarding FM Approved Advanced Sensors EX 1000P Inline Probes when installed with a SA-100P, SA-100P2, SA-1000P and SA-1000P2 Safe Area Analyzer sold between February 2014 and August 2015

The attached notice was sent to all customers who have units covered under this product safety notification.

Please read the attached for a complete description of the potential hazard.

If you suspect that you are in possession of any of the affected equipment listed above bearing the FM Approvals certification marking, please bring it to the attention of:

**Antonio Pires**  
**FM Approvals, Quality Department**  
**Norwood, MA, USA**  
**+1 (1)781 255 4825**  
**Email: [antonio.pires@fmaprovals.com](mailto:antonio.pires@fmaprovals.com)**

**URGENT PRODUCT SAFETY NOTICE – ACTION REQUIRED**

**SA-100P,SA-100P2,SA-1000P,SA-1000P2**

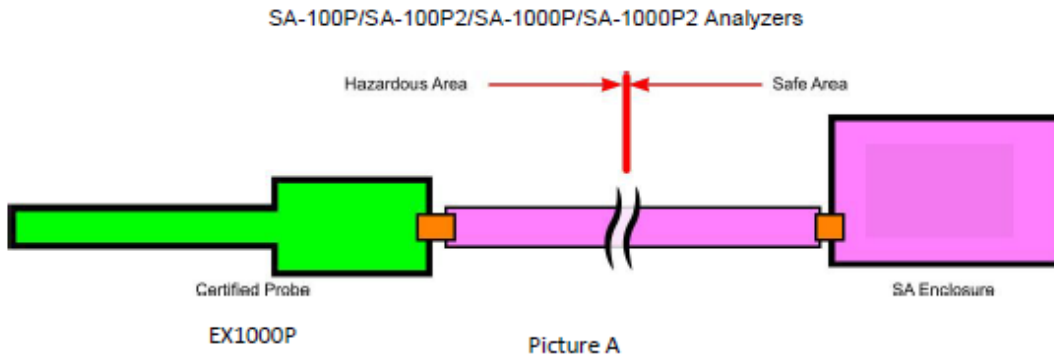
October \_\_, 2015

John Smith (personalize if possible)  
Company Name  
5000 State Street  
City, State Zip, Country

Dear Mr. Smith:

Advanced Sensors is committed to the safety and quality of our products. Advanced Sensors recently discovered that SA-100P, SA-100P2, SA-1000P and SA-1000P2 "Safe Area" analyzers sold between February-2014 and August-2015 have a potential design flaw on their gland connection.

SA-100P, SA-100P2, SA-1000P and SA-1000P2 analyzers consist of a hazardous area certified probe EX1000P(FM US and Canada certified, EC-Type Examination Certificate No: FM09ATEX0074 and IECEx Certificate No: FME 09.0007)), a conduit and a Safe Area analyzer as described in Picture A.



In circumstances where the probe is installed in a "Hazardous Area", the current gland design could allow the gland connection to permit vapors to be transmitted to the safe area enclosure. Advanced Sensors discovered this issue during its investigation of an unrelated customer query concerning a wholly separate matter.

There is a possibility that a gas leak from the gland connection of the analyzer could result in catastrophic personal injury, death, and/or property damage. Consequently, Advanced Sensors has initiated an urgent program to promptly address any relevant analyzers currently at risk.

Advanced Sensors has not received any reports to date of any analyzer failures, but Advanced Sensors is taking this action in an abundance of caution in the interest of safety and avoiding potential risks.

- **Primary Immediate Action:** If you have an Advanced Sensors SA-100P, SA-100P2, SA-1000P and SA-1000P2 Safe Area's analyzer where any part of the system is in hazardous area locations or potentially hazardous area locations, you should take immediate steps both to power down the unit and remove it from service.

*Important: Advanced Sensors SA-100P, SA-100P2, SA-1000P and SA-1000P2 are used in many unique applications. Each user must determine the effect of this issue with respect to their application and act accordingly.*

If your analyzers meet or potentially meet the criteria described above please contact Advanced Sensors to review safe installation alternatives: unit relocation or unit upgrade to EX configuration (explosion proof). Please contact us immediately at +44 (0) 28 9335 6498 or via email at [ASL.ResponseCenter@pacpl.com](mailto:ASL.ResponseCenter@pacpl.com) .

Advanced Sensors will provide and undertake the unit upgrade at no cost to you. Advanced Sensors will send a trained technician to the location where the analyzer is installed so that the upgrade can be properly performed. You should not undertake or permit to be undertaken any upgrade other than by Advanced Sensors.

- Secondary Immediate Action: If you have an Advanced Sensors SA-100P, SA-100P2, SA-1000P and SA-1000P2 Safe Area's analyzer where all parts of the system are installed in a safe area location you should contact ASL to have the probe unit label replaced for one indicating that the unit is for sole use in a safe area installation. Please contact us immediately at +44 (0) 28 9335 6498 or via email at [ASL.ResponseCenter@pacpl.com](mailto:ASL.ResponseCenter@pacpl.com)

Advanced Sensors will undertake the label replacement at no cost to you.

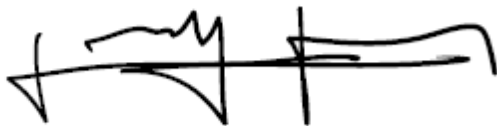
If you have distributed the above-referenced analyzers to other parties, you have a duty to provide this notice to those parties promptly so that they can take the steps outlined herein. Advanced Sensors also requests that you either provide Advanced Sensors with confirmation that this notice has been provided to all end users to whom you have distributed the referenced analyzers, or provide Advanced Sensors with a list of parties to whom analyzers have been distributed, along with their contact information, so that Advanced Sensors can confirm distribution of and compliance with this notice to all end users of the referenced analyzers.

As a reminder to all our customers, all analyzers should be inspected on a regular basis (annually or sooner) for normal wear and tear as part of a preventive maintenance routine.

Please inform your customers of the contents of this notice promptly. Please contact us immediately to schedule the upgrade for an analyzer at +44 (0) 28 9335 6498 or via email at [ASL.ResponseCenter@pacpl.com](mailto:ASL.ResponseCenter@pacpl.com).

We appreciate your cooperation in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniel Benitez', with a horizontal line extending from the end of the signature.

**Daniel Benitez**

VP PAC Process Analytics | GM Advanced Sensors  
Advanced Sensors LP.