

## Application Survey LEL Monitoring in Industrial Processes

Name: <input style="width: 90%;" type="text"/>	Date: <input style="width: 90%;" type="text"/>
Company: <input style="width: 90%;" type="text"/>	Phone: <input style="width: 90%;" type="text"/>
Street: <input style="width: 90%;" type="text"/>	Fax: <input style="width: 90%;" type="text"/>
Zip, City: <input style="width: 90%;" type="text"/>	Email: <input style="width: 90%;" type="text"/>
Country: <input style="width: 90%;" type="text"/>	Signature: <input style="width: 90%;" type="text"/>

This questionnaire is designed to determine the requirements of your application. Please give the information as detailed as possible. If necessary you can attach more information on separate sheets.

Please describe your application/process, the end products and the role of the LEL monitoring:

Project ID/Name:  (  new system or  replacement for exist. system)

Number of sampling points:  resp. of analyzers:

The gas detection system will contribute to or is required for the safe functioning of equipment or protective systems with respect to the risks of explosion according to article 1 b) of the **ATEX Directive 2014/34/EU**).

Country of installation:  When?:

Gases and Vapors in the Sample	Concentration			Unit of Measure
	Minimum	Typical	Maximum	
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

*(For more complex mixtures please attach additional sheets)*

Special Substances in the Sample	Concentration			Unit
Oxygen (O <sub>2</sub> )	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	% Vol.
Carbon Dioxide (CO <sub>2</sub> )	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	% Vol.
Water Vapor (H <sub>2</sub> O)	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	% Vol.
<input type="checkbox"/> Halogenes <input type="checkbox"/> Sulfur	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input type="checkbox"/> Particles <input type="checkbox"/> Silicones	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input type="checkbox"/> Plasticizers <input type="checkbox"/> Resins	or other vapors with high dew points: <input style="width: 200px;" type="text"/>			

**Describe the Process Conditions at the Sampling Location:**

	Minimum	Typical	Maximum	Unit of Measure
<b>Measurement Range</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Sample Temperature</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	°C
<b>Sample Pressure</b> (relative to ambient)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Pa <input type="checkbox"/> hPa/m barg <input type="checkbox"/> barg
<b>Sample Dew Point</b> (for <u>all</u> vapors!)	<input type="text"/>	<input type="text"/>	<input type="text"/>	°C

Sample atmosphere:

- no hazardous zone  
 hazardous zone: indicate zone/category, explosion group, temperature class:

**Ambient Conditions at the Installation Location of the Analyzer:**

(ideally the analyzer should be mounted online or in the immediate vicinity of the sampling point)

Analyzer Mounting:

- Online directly on the duct/process wall (preferred)  
 Offline, with a distance of  to the sampling point.

Installation Location:

- Outdoors                       corrosive environment (e.g. sea air, chemical plant, high humidity, ....)  
 Indoors

Ambient Temperature: min:  °C    max:  °C

Explosion Protection at the Analyzer Location:

- no hazardous zone  
 hazardous zone: indicate zone/category, explosion group, temperature class:

Power Supply:     220/230 VAC     110-120 VAC

**Here you can give additional information:**

(e.g. concerning alarm levels, requirements for functional safety, use of the analyzer(s) for control purposes sampling, other special circumstances, ...). You can also add additional sheets.

You can

- print this form and fax it, or scan it and send it per email
- or save this form (only with suitable software (e.g. [Foxit](#) or [Nitro PDF Reader](#)) and send it per email.