



# INMETRO Certification Program

Segurança



## UL do Brasil Certificações

### 1. Why is INMETRO Certification needed?

It is mandatory for all electrical and electronic equipment used in Explosive Atmospheres to be certified in Brasil by INMETRO, to Portaria 179 as of May 18, 2010.

### 2. What are the different models for equipment Certification?

Portaria 179 has three models of Certification available:

#### a) Evaluation of the Quality Management Systems on the Product Production Process, and Product Testing

This model is to be used for serial production processes, with auditing made by a third party organization at the manufacturing facility. Type tests are carried out on prototypes or samples from the production line or, preferably on the finished product.

- ❖ Type Tests shall be performed according to the requirements given in the IEC 60079 series standards as required in clause 2 of the Portaria 179.
- ❖ Initial audit on the manufacturer Quality Management System, according to Annexes A and B of Portaria 179 (based on the same requirements of ISO 9001:2008 and ISO/IEC 80079-34:2011).
- ❖ UL can combine the ATEX PQAN – Production Quality Assessment Notification, IECEx QAR – Quality Assessment Report and Inmetro audits.
- ❖ A surveillance audit at the manufacturer's site shall be performed at every 18 months after product certification.
- ❖ This certification model may become a fast track service, as the applicant can provide UL with the IECEx Test Reports issued by an IECEx Certification Body.
- ❖ The ATEX Test Reports can also be used for INMETRO certification, but certification cannot be considered as a fast track service, as the ATEX Test Report format is different than the IECEx Test Report, and requires additional work to prepare the INMETRO Reports.



### **b) Lot Test Model;**

Samples from a product lot (imported or not) are submitted to type tests based on requirements of IEC 60079 series standards as required in clause 2 of the Portaria 179. There are no initial or surveillance audits, as the certification is valid only for one defined lot.

- ❖ Type Tests shall be performed on 6% of the lot considered for certification, according to the requirements given in IEC 60079 series standards, as required in clause 2 of the Portaria 179.
- ❖ An audit on the manufacturer Quality Management System is **not** required.

### **c) Special Situations where a product has been previously certified by a recognized third party, but not INMETRO certified;**

For products already certified by a foreign third party certification organization outside Brasil, an evaluation on the documentation is performed, combined with an inspection on the equipment when it arrives in Brazil. This special situation is limited to 20 units of the product, and allowed only once at every 6 months. There are no initial or surveillance audits.

- ❖ The applicant shall provide UL with the origin country third party certification together with other applicable documents such as product Invoice (issued in Brasil, as evidence of imported product entrance through customs).

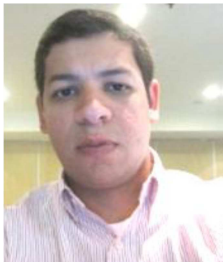
For the three models of Certification available, the manufacturer shall provide the product safety installation/instruction manual, label with explosive atmospheres marking and warning marking in Portuguese (Brazilian) language. The product shall be marked by the manufacturer.

## **3. How can UL assist you to get Inmetro Certification?**


UL can offer the three different models for Certification to the INMETRO mark.



#### 4. Who to contact for further technical information?

<p><b>Types of protection: Ex d, Ex e, Ex m, Ex nA</b></p>  <p>Gustavo Castrillo Engenheiro de Certificação Tel: +55 11 3049 8699 Email: <a href="mailto:Gustavo.Castrillo@ul.com">Gustavo.Castrillo@ul.com</a></p>	<p><b>Types of protection: Ex i, Ex nA and Dispensers</b></p>  <p>Eduardo Galera Engenheiro de Certificação Tel: +55 11 3049 8725 Email: <a href="mailto:Eduardo.Galera@ul.com">Eduardo.Galera@ul.com</a></p>
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**Types of protection: Ex d, Ex p and Audits**



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Tel: +55 11 3049 8617  
Email: [Edson.Ribeiro@ul.com](mailto:Edson.Ribeiro@ul.com)

#### 5. Who to contact for commercial and customer services?

Your local contact sales: [sales.br@ul.com](mailto:sales.br@ul.com)

Customer services: [customerservice.br@ul.com](mailto:customerservice.br@ul.com)

Visit our website [www.ul.com](http://www.ul.com) for more information