

# INMETRO PRODUCT CERTIFICATION FOR HAZARDOUS LOCATIONS

The National Institute of Metrology, Standardization and Industrial Quality (INMETRO) is the Brazilian federal autarchy, linked to MDIC, the Ministry of Development, Industry and Foreign Commerce. In Brazil, certification bodies must be accredited by INMETRO. Electrical and electronic products that meet Brazilian requirements and that are certified by an INMETRO accredited organization must carry the mandatory INMETRO mark along with the mark of the certification organization, such as DEKRA.

DEKRA is accredited by INMETRO's General Coordination for Accreditation (CGCRE) division as a certification body qualified to carry out conformity tests. DEKRA issues INMETRO certificates that meet Brazilian regulations. As Brazilian standards are broadly consistent with international standards, DEKRA can combine certification for Brazil with certification according to IEC standards, helping you save time and costs. Also for equipment with intended use in Hazardous locations, DEKRA can help.

## General Requirements

- > Equipment shall be IECEx certified based on the standards in conformity with the current ABNT NBR issued standards ([www.abntcatalogo.com.br](http://www.abntcatalogo.com.br)).
- > Certification will be carried out under the latest INMETRO regulations (Portaria) 179 and 089 ([www.inmetro.gov.br](http://www.inmetro.gov.br)).
- > An applicant from outside Brazil shall have a contract with a "local representative" complying with INMETRO Regulation 179:2010 clause 7.1.
- > The applicant shall have a contract with DEKRA for use of the INMETRO Conformity Identification Mark, which will be forwarded during the certification.
- > An INMETRO Factory Inspection is obligatory for all Factory Locations according INMETRO regulation 179:2010 clause 7.

- > The IECEx Certificate
- > The full EXTR(s) as listed in the Certificate, inclusive any test report referenced therein
- > All Certification Documents listed in the ExTR Cover

*If an IECEx standard does not match the latest applicable ABNT NBR standard, an update of the IECEx ExTR is required prior to INMETRO assessment.*

- 3) Drawing of the Marking label including INMETRO requirements (e.g. ANNEX A)
- 4) Drawing indicating the position of the Marking label on the equipment
- 5) Drawing of the INMETRO Package label (e.g. ANNEX A)
- 6) Drawing indicating the position of the Package label on the shipping box
- 7) Manual in Portuguese (Brazilian) and preferably in the English language (with the same format as the IECEx 02 manual). Both manuals shall include the INMETRO standards, Marking, INMETRO certificate number and instruction for filing complaints.

## Factory Inspections

INMETRO Factory Inspections can be combined with ATEX and/or IECEx quality system audits with the addition of the INMETRO requirements e.g. for Customer Complaints handling.

INMETRO Factory Inspection reports (inclusive all evidence) from other OCP's may be accepted at the discretion of DEKRA.

## Documentation

For INMETRO assessments, an IECEx ExTR in conformity with the current ABNT NBR issued standards is required. There are two possible situations:

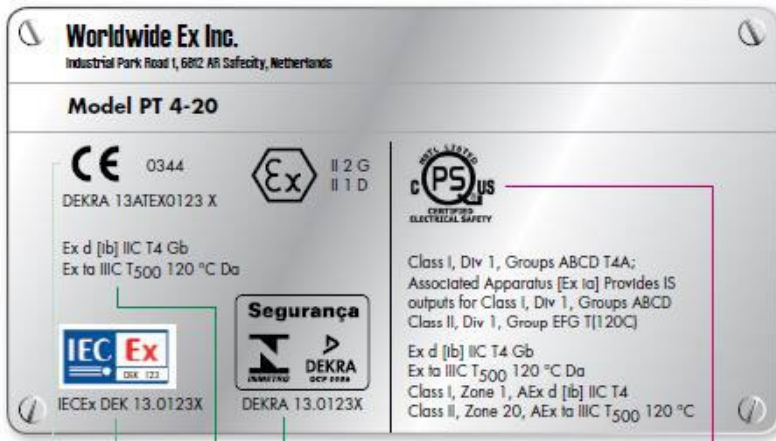
- 1) The IECEx ExTR is issued by DEKRA – no additional documentation is required
- 2) The IECEx ExTR is issued by another CB – DEKRA will need:

## Validity

INMETRO certificates are valid for three years, DEKRA will inform you timely for the requirements and options to prevent expiration.

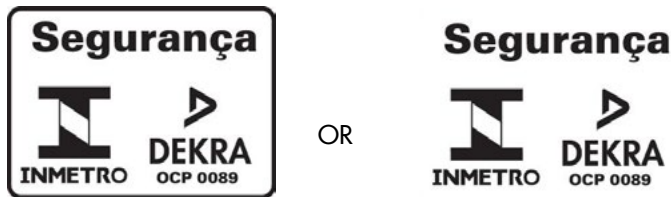
INMETRO Factory Inspections are valid for 3 years with a Surveillance Inspection within 18 months; DEKRA will inform you timely about the requirements to prevent expiration.

## Label Example



## INMETRO Marking Label

INMETRO Mark indicates that the manufacturer has chosen to have a license under INMETRO



**DEKRA:** Certification body (OCP) that issued the licence to the manufacturer

**OCP 0089:** License number INMETRO

## INMETRO Package Label



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