

"Top things to know to successfully get access to Japan, have your product JPEX Certified by DEKRA Certification B.V."

DEKRA is authorized to provide JPEX type certificates for products used in Japan. We issue bilingual certificates for good acceptance by the Japanese end users and fire inspection. Listed below are items to consider when approaching DEKRA for JPEX product certifications.

1. Regulatory requirements for Certification: The JPEX certificate is based on an issued IECEx certification.

2. JPEX certification of products IECEx certified by DEKRA Certification B.V. is the most easy way.

The Japanese Ministry placed limitations on the use of IECEx from other Agencies. It is possible to use an existing IECEx certificate and ExTR from another Agency; we will assess the ExTR on a case-by-case basis. The project may require a repeat of certain tests and will definitely have a longer processing time and increased cost structure.

3. Information Required:

- a. Constructional drawings
- b. Schematics/circuit diagrams
- c. Descriptive document for Explosion protection method/features
- d. Descriptive document for instructions
- e. Complete issued ExTR of the product, with all listed manufacturers documents.
- f. When the product includes Ex components; the IECEx certificate and complete issued ExTR of the components, with all listed manufacturers documents.
- g. Valid IECEx QAR
- h. Documentation stating results of test conducted preliminarily
This is exempted from submission provided that the ExTR, listed at e. is accepted as appropriate data
- i. Instruction manual in Japanese

4. Timing: It depends...sound familiar?

Here's the breakdown for JPEX certification

- | | |
|---|----------------------|
| - based on current DEKRA Certification B.V. ExTR | 6 – 8 weeks |
| - based on current ExTR from another Agency | 10 – 14 weeks |
| - immediately after IECEx certification by DEKRA Certification B.V. | 4 – 6 weeks |

5. What JPEX Type Examination does NOT cover:

- a. Entry devices such as cable glands and thread adaptors and Ex components as empty enclosures.
- b. product of group I (mining)
- c. Non-electrical equipment

6. What shall be included for JPEx

Unless battery powered, the equipment shall be completed with entry devices such as cable glands. These shall be tested and assessed together with the equipment or a cable gland, certified by DEKRA certification and suitable for the application shall be selected.

DEKRA can provide a list of certified cable glands for JPEx to support your selection.

7. Limited Product Variations per Type Certificate:

A variant which has different features in the following items is not allowed to be included in one JPEx certificate: Product type, Type of protection, Specifications of protection, Type of entry for external wiring, Dimensions of enclosure, Material and heat dissipation rate of parts related to type of protection, specifications as gas group, temperature class, ambient temperature range and service temperature range.

When the IECEx certificate includes such variants, a reduced scope may be selected for JPEx and/or the additional variants will get their own JPEx certificate. DEKRA will work with you to confirm if additional applications are required during the sales phase.

8. Certification of assemblies

At certification of an assembly of Ex certified parts each part of the assembly shall comply with the Japanese requirements. This makes the certification of an assembly with JPEx certified parts practical but certification of an assembly with multiple IECEx certified parts impractical since the cooperation of the original manufacturers and a larger budget is needed.

9. Is there a quality audit requirement?

No factory inspections or audits are required in support of the JPEx when you have a valid IECEx QAR..

10. Pricing:

A. Based on a valid ExTR and QAR, with the editions of the applied IEC standards matching with the valid corresponding JNIOH-TR-46-x standards

Kind of Application	Pricing		
Based on an IECEx ExTR issued by DEKRA Certification B.V.	New application	€ 8.200	\$9,020 ²
	Additional variant ¹	€ 1.700	\$1,870 ²
Based on an IECEx ExTR Issued by others than above Additional testing might be required	New application	€ 12.000	\$13,200 ²
	Additional variant ¹	€ 3.000	\$3.300 ²

Note: ¹ Additional application for a variant included in the same ExTR (LSB Notification No. 80 art. II-2-(2) does allow less variants in one certificate compared to IECEx) See item 7 above.

² Pricing based on current exchange rate with the Euro.

B. Based on a valid ExTR and QAR, with newer applied IEC standards than matching with the valid corresponding JNIOH-TR-46-x standards. Additional cost per deviation of one edition of each standard: € 2.500 or \$2,750².

Additional testing might be required at an additional cost per protection method.

11. Validity:

A JPEx certificate has a validity of 3 years and can be renewed for a small fee.