

# TOP THINGS TO KNOW TO SUCCESSFULLY CERTIFY YOUR PRODUCT WITH A JPE<sub>x</sub> CERTIFICATION FROM DEKRA

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

## 1. Regulatory Requirements for Certification

The JPE<sub>x</sub> certificate is based on an issued IECEx certification. There are certain cases where the requirements for certification can be met via an ATEX certification.

## 2. JPE<sub>x</sub> Certification of IECEx Certified Products

JPE<sub>x</sub> certification of products IECEx certified by DEKRA is the easy way. Use of IECEx from another Agency: There are limitations placed by the Japanese Ministry. It is possible depending on the Agency to use an existing IECEx certificate from an 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

- > Constructional drawings
- > Schematics/circuit diagrams
- > Descriptive document for Explosion protection method/features
- > Descriptive document for instructions
- > Complete issued ExTR, with all listed manufacturers documents
- > IECEx QAR
- > Documentation stating results of test conducted preliminarily.
- > This is exempted from submission provided that the ExTR, listed at e. is accepted as appropriate data
- > Instruction manual in Japanese

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

JPE <sub>x</sub> certification based on current DEKRA ExTR	6 weeks
JPE <sub>x</sub> certification based on current ExTR from another Agency	10 – 14 weeks
New IECEx + JPE <sub>x</sub> certification from DEKRA	10 – 14 weeks

## 5. What JPE<sub>x</sub> Type Examination does NOT cover

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

## 6. What shall be included for JPE<sub>x</sub>:

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 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 JPE<sub>x</sub> 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 JPE<sub>x</sub> and/or the additional variants will get their own JPE<sub>x</sub> certificate. DEKRA will work with you to confirm if additional applications are required.

## 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.

## 10. Validity:

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

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