



GUIDE

ExVÁ Testing Station for Explosion Proof Equipment Company Limited Budapest





Guide for manufacturers or their authorised representative planning to have the testing and certification of apparatus and protective systems for potentially explosive atmospheres performed by ExVÁ Testing Station for Explosion Proof Equipment Company Limited


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Test / Certification

1. § 4 of Decree 8/2002 (II.16.) of the Ministry of Economic Affairs on the „Test and certification of apparatus and protective systems intended for use in potentially explosive atmosphere” declares that “An apparatus or protective system (further on apparatus) can be put on the market or put into service only in case after the specified conformity assessment procedure the manufacturer or his authorised representative has issued the manufacturer’s declaration of conformity and affixed the conformity marking on the apparatus.
2. The conformity assessment procedures of apparatus – except for those of Group II category 3 – shall be carried out by a body notified for this purpose (further on Certification Body). See § 7 indent (1) of the above Decree.
3. According to § 7 indent (2) of the Decree the Minister of Economic Affairs makes the notification. On the basis of the Certificate of Designation 065/2003 of the Ministry of Economic Affairs the testing and certification activity shall be performed by ExVÁ Testing Station for Explosion Proof Equipment Company Limited.
4. Provided that the manufacturer or his authorised representative presents his application together with each required document and the test sample according to the provisions and the apparatus meets the Essential Health and Safety Requirements including the conditions specified for the group and category of the apparatus, the Certification Body issues the EC-type examination certificate.

Application / Contract

1. A written, formal application shall be presented with ExVÁ Testing Station for Explosion Proof Equipment Company Limited for the test and certification of the apparatus or protective system, with the attached test documentation. In connection with this application the contractual conditions shall be accepted as operative, or a previous acceptance shall be referred to. Furthermore the manufacturer’ declaration of conformity with the contents according to Annex 10 of the Decree shall be presented.
2. The formal application shall contain the technical details (separately for each equipment). The test documentation shall cover the denomination/type of the apparatus to be tested, the type of explosion protection and the kind of the test documentation. In case of the alteration of equipment already tested and certified the number of the certificate to which the application for the alteration refers shall be given.
3. If the apparatus – already having a certificate of conformity – is altered, extended or completed so that explosion protection is influenced, a variation to the certificate of conformity can be issued provided that the results of the checking of the documentation and the sample are satisfactory.

An application similar to the one issued for the basic certificate shall be presented for the variations of the certificates, referring to the number of the original certificate.

Documentation / Test sample

1. The following documents shall be presented in two copies as test documents – duly signed, dated and stamped:
Description and drawing(s) of the apparatus emphasising the parameters essential for explosion safety e.g. sizes, tolerances, materials, voltages, currents, creepage distances and clearances, gap lengths and widths. Furthermore the mode of considering the requirements of the relevant standards shall be indicated.
2. The test documentation shall specify the standards on the basis of which the apparatus, the safety or protective system was manufactured and the group and category, the type of protection and temperature class considered for designing.
3. In order to shorten the test period care shall be taken to ensure that the presented documentation be clear and brief but rich in informative contents. The copies of prospectuses and catalogues cannot be considered as materials of binding character.
4. The language of the test documentation (description and drawings) is Hungarian resp. another chosen European language. The dimensions and units shall be specified in the International Unit System (SI).
5. If certain parts of the apparatus (e.g. terminal blocks, bushings) were made by other manufacturer and test certificates are available to confirm this, the copy of these certificates shall be presented. The reports on electrical and temperature measurements, the copy of test certificates issued by other test stations and similar documents shall also be presented.
6. One, in certain cases more production samples shall be presented for sample test. However, these test samples shall be presented only on request and following the elucidation of the technical questions. The test samples shall be prepared (e.g. test bores, non-encapsulated samples etc.) as required by the test requirements. The manufacturer or his authorised representative shall provide for the delivery and returning of the product (as agreed).

Testing-certification procedures

1. The test procedure is carried out by the Testing Laboratory of ExVÁ Kft. The sample test shall be performed on the basis of the test documentation presented with the application, with the consideration of the specified standards.
2. Generally the tests, e.g. the explosion tests or the temperature measurements shall be carried out at the Testing Laboratory of ExVÁ Kft. In certain cases, on the basis of an agreement, tests can be performed on the site of the manufacturer, if the required measuring and testing devices are available there.
3. No compensation is due to damages to the test sample if occurred during the test.
4. After co-ordination a discussion can be carried on at the testing station. The dates shall be determined well beforehand. The discussions should be started from the presumption that the negotiating partners of the applicant are aware of the contents of the relevant requirements, and the technical details in question and the possibilities of the solution can be di-

rectly discussed. It is practicable to send the written material of complicated technical layouts some days prior to the discussion.

5. The certification procedure shall be carried out by the Certification Body of ExVÁ Kft.
6. ExVÁ Kft will handle the test applications in the order of their receipt. The handling period depends on the method and extent of the test. It is generally the reasonably shortest period reckoned from the receipt of each required document and the test sample.
7. If within a reasonable period (six months or a shorter period) – after the manufacturer or his authorised representative has been informed about the required alterations or completions – the appropriately altered test documentation has not been received, the test procedure will be closed and the application material, together with the invoice covering the costs of the tests performed up to that time, will be returned, and the costs incurred will be charged.
8. Both organisations of ExVÁ Kft are accredited, impartial ones performing their activity independently. ExVÁ Kft shall not give information to third parties in respect of the test in process, only with the written consent of the manufacturer or his authorised representative (see § 10 of the Decree).

Certificate / Invoice

1. If the documents and the test sample presented by the manufacturer or his authorised representative meet the relevant provisions, the Certification Body issues the EC type examination certificate.
2. The manufacturer or his authorised representative obtains the original copy of the certificate together with its annexes and a copy of the test documentation indicated by the Certification Body.
3. The Certification Body forwards an invoice to the manufacturer or his authorised representative covering the incurred costs. The fees for the tests and the issue of the test certificate depend on the type and extent of the works required for the completion of the testing procedure and shall be calculated in the prevailing form according to the relevant cost compensation.
4. The fees for the test and certification or a proportional part of them will be invoiced even in case of the implied interruption of a test procedure on the part of the Client or the express withdrawal of the order or if the certificate is not issued on the basis of the test result.

Complaint / Appeal / Modification

1. In case the manufacturer or his authorised representative is of the opinion that the certification body acted not according to the provisions, he may lodge a complaint with the Managing Director of ExVÁ Kft, resp. directly with the supervising authority of ExVÁ Kft, the Ministry National Development and Economy.

2. If the manufacturer or his authorised representative does not agree with the decision made by the certification body, he may lodge an appeal with the Governing Board or in the frame of civil jurisdiction.
3. Any modification made by the manufacturer or his authorised representative on the certified apparatus involves the performance of a new procedure.

Certificate / Marks / Trade-mark

1. Apart from the conformity assessment procedure of the EC type examination the Certification Body shall perform the conformity assessment procedures for production quality assurance and product quality assurance (see § 6 of the Decree).

The manufacturer or his authorised representative shall do his utmost to maintain a quality assurance system specified in the conformity assessment procedures, or for lack of it, to take measures in the course of the designing, manufacturing and marketing of the product, equivalent to the requirements specified in the quality assurance system.

2. The manufacturer or his authorised representative shall affix the conformity marking, the trade-mark of the Certification Body and the number of the Certificate on the data-plate of the apparatus provided with a Certificate.

If the manufacturer or his authorised representative is entitled to carry out the conformity assessment procedure independently, he can affix the CE marking on the apparatus (see § 12 indent (1) of the Decree).

It is essential that the manufacturer or his authorised representative is entitled to do so only if experts of the appropriate number are available for him who can confirm their experience in quality assurance and the production of explosion-proof equipment.

3. If the manufacturer or his authorised representative manufactures resp. puts on the market the certified apparatus not in accordance with the documentation, the Certification Body can withdraw the Certificate (see § 14 of the Decree).

Testing-certification fees

1. ExVÁ Kft performs the testing-certification activity against a fee (see § 11 of the Decree).
2. Bank keeping the account of ExVÁ Kft:
Budapest Bank Rt.
account number: 10102103-04648404-00000006

Guide / Other publications

1. The guide issued by ExVÁ Kft is available for anybody.
2. Other publications issued by ExVÁ Kft (e.g. the list of certified products, manual, etc.) are available against a fee.

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