

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (2) Components intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 03ATEX2460 U**
- (4) Components: **XJIH Series Instrument Housings and XJ Series Junction/Meter Boxes**
- (5) Manufacturer: **Akron Electric Inc.**
- (6) Address: **1025 Eagon Street, Barberton, OH 44203 USA**
- (7) These components and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that these components have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential report no. 2006554.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997

EN 50018 : 2000

- (10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified components according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of these components. These are not covered by this certificate.
- (12) The marking of the components shall include the following:



II 2 G EEx d IIC

Arnhem, 3 December 2003
KEMA Quality B.V.



E.G. van Es
Certification Manager

* This Certificate may only be reproduced in its entirety and without any change

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX2460 U

(15) **Description**

XJIH Series Instrument Housings and XJ Series Junction/Meter Boxes, made of aluminium. The XJIH Series Instrument Housings are provided with two ¾ inch NPT female threaded connections. The XJ Series Junction/Meter Boxes can be provided with a pattern of holes on each side.

The specific models are identified as follows:

- XJIHab Instrument Housings

a = Cover: G (Glass) or S (Solid)

b = Enclosure Dimensions: 1, 2, 4, 5, 05 or 15

- XJabc Junction/Meter Boxes

a = Version: CT (Meter) or AT (Junction)

b = Cover: G (Glass) or S (Solid)

c = Enclosure Dimensions: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 or 14

Ambient temperature range -20 °C ... +40 °C.

Maximum operating temperature of the glass window: +60 °C.

Installation instructions

The cable entry devices and blanking elements shall be of a certified flameproof type, suitable for the conditions of use and correctly installed.

Routine tests

Routine tests according to Clause 16 of EN 50018 are not required, since the type test has been made at a static pressure of four times the reference pressure.

(16) **Report**

KEMA No. 2006554.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

1. Component Certificate KEMA No. Ex-95.D.9284 U

signed

2. Drawing No. 2224, rev. C	12.11.2003
1033, rev. C	13.11.2003
A-1065, rev. F	23.10.2003
A-1516, rev. D	16.09.2003
A-1666, rev. D	30.09.2003
B-1046, rev. F	02.05.2003
B-1047, rev. F	02.05.2003

(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 03ATEX2460 U

signed

Drawing No. B-1169 (2 sheets), rev. D	16.09.2003
B-1258, rev. I	23.10.2003
B-1259, rev. F	23.10.2003
B-1370, rev. E	16.09.2003
B-1519 (2 sheets), rev. F and H	23.10.2003
B-1522, rev. E	10.10.2003
B-1764 (2 sheets), rev. C	16.09.2003
B-1771 (sheet 1), rev. D	16.09.2003
B-1771 (sheet 2), rev. C	15.09.2003
B-1771 (sheet 3), rev. D	30.09.2003
B-1772 (sheet 1), rev. C	16.09.2003
B-1772 (sheet 2), rev. B	06.05.2003
B-1777, rev. K	23.10.2003
C-0127, rev. D	16.09.2003
C-0140, rev. D	16.09.2003
C-0141, rev. D	16.09.2003
C-0143, rev. D	16.09.2003
C-0243, rev. D	16.09.2003
C-0244, rev. D	16.09.2003
C-0249, rev. D	16.09.2003
C-0250, rev. D	16.09.2003
C-0270, rev. D	16.09.2003
C-0271, rev. D	16.09.2003
C-0274, rev. D	16.09.2003
C-0275, rev. D	16.09.2003
C-0356, rev. D	16.09.2003
C-0357, rev. D	16.09.2003
C-0360, rev. D	16.09.2003
C-1036 (sheet 1), rev. D	16.09.2003
C-1036 (sheet 2), rev. C	16.09.2003
C-1036 (sheet 3), rev. D	30.09.2003
C-1051 (2 sheets), rev. C	13.11.2003
C-1077 (2 sheets), rev. C	13.11.2003
C-1078 (2 sheets), rev. C	13.11.2003
C-1079 (2 sheets), rev. C	13.11.2003
C-1164 (sheets 1 and 2), rev. C	16.09.2003
C-1164 (sheet 3), rev. E	30.09.2003
C-1165 (2 sheets), rev. D	13.11.2003
C-1166 (2 sheets), rev. D	13.11.2003
C-1167 (2 sheets), rev. C	13.11.2003
C-1168 (2 sheets), rev. C	13.11.2003
C-1864, rev. C	16.09.2003
C-1865, rev. C	16.09.2003