

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM16US0388
3. **Equipment:** JW-IS Load Cell  
**(Type Reference and Name)**
4. **Name of Listing Company:** Intercomp Company
5. **Address of Listing Company:** 3839 County Road 116, Medina MN 55340, USA
6. The examination and test results are recorded in confidential report number:  
3059836 dated 20<sup>th</sup> December 2016
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
FM Class 3600:2011, FM Class 3611:2004, FM Class 3810:2005
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**  
Nonincendive with Nonincendive field wiring for use in Class I, Division 2, Group D; Hazardous (Classified) Indoor Locations;  
Temperature code T4 for  $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ ; Hazardous (Classified) Indoor Locations, in accordance with Control Drawing #7510514.

**Certificate issued by:**

J. E. Marquedant  
Manager, Electrical Systems

20 December 2016

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
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# SCHEDULE



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11. The marking of the equipment shall include:

Class I Division 2, Group D; T4 Ta per section 12

12. **Description of Equipment:**

**General** – The JW-IS load cell consists of a signal-conditioning circuit and a resistor strain gauge. The load cell is connected to control room equipment via barriers installed in a non-hazardous location. It is powered from 7.5V DC supplied through a barrier. The ambient temperature range is from -25°C to +40°C.

**Ratings** – 7.5V VDC; 22.8 mA, over an ambient range of -25°C to +40°C.

**JW**

**JW-IS (aK). Load Cell.**

**FM16US0388**

**NI / I / 2 / D / T4; -25°C ≤ Ta ≤ 40°C; NIFW; 7510514**

**a = capacity; 5, 10, 25, 50 or 100.**

13. **Specific Conditions of Use:**

None.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
27 <sup>th</sup> March 2008	Original Issue – 3026410 dated 27 <sup>th</sup> March 2008
20 <sup>th</sup> December 2016	<b>Supplement 1:</b> Report Reference: – 3059836 dated 20 <sup>th</sup> December 2016 Description of the Change: Changed the protection method from intrinsically safe to nonincendive. Changed certificate (formerly 3026410coc) to the new template.

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