

CERTIFICATE OF CONFORMITY



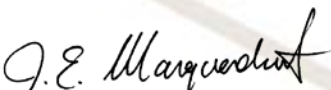
1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM19US0042
3. **Equipment:** Model HI 2151/30WC Weight Controller
(Type Reference and Name)
4. **Name of Listing Company:** Hardy Process Solutions
5. **Address of Listing Company:** 9440 Carroll Park Drive
Suite 150
San Diego, CA 92121
6. The examination and test results are recorded in confidential report number:

3000401 dated 27th August 1998
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3611:2004, FM Class 3810:2005,
ANSI/ISA 61010:2004, ANSI/NEMA 250:1991
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 for Class I, Division 2, Groups A, B, C, D; Suitable for Class II and III, Division 2, Groups F and G indoor hazardous (classified) locations; with a temperature rating of T5 with a maximum ambient temperature of 50°C. Ingress protection of 4X (Front Panel only)

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

16 April 2019

Date

To verify the availability of the Approved product, please refer to 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
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM19US0042

11. The marking of the equipment shall include:

Class I Division 2, Groups A, B, C, D;

Class II / III, Division 2, Groups F, G;

Type 4X (Front Panel only)

T5 Ta = -10°C to +50°C

12. **Description of Equipment:**

General – The HI 2151/30WC weight controller is used to control weight related processes. The controller receives inputs from load cells to determine weight measurements and provide various inputs and outputs, control and communications functions. The unit has a front panel, which provides user interface with LED indicators and a keypad.

Construction – The HI2151/30WC measures approximately 7.8cm x 14.6cm x 25.4cm and is a panel-mounted instrument with the front panel integral to the main electronics and configured with the front panel integral to the main electronics. Also included is a stainless steel equipment enclosure, which measures approximately 36.2cm x 31.1cm x 15.2cm and is rated for Type 4X outdoor applications.

Ratings –

Operation Temperature Ranges: The ambient operating temperature range of the HI 2151/30WC is
T5, Ta = -10°C to 50°C

Electrical data: 120VAC +/- 10%, 240VAC +/- 10%, 47-63Hz and 10 Watts max.

HI 2151/30WC-a-b-c-d-e Weight Controller

a = Control Output Options: A1, A2, A3

b = Output Options: B1, B2, B3, B5, B6, B7, B8, B12, B14

c = Control Options: C1, C2, C6

d = Setpoint Options: D1, D2

e = Hardware options: E1, E2, E3

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.

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

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

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM19US0042

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 th August 1998	Original Issue.
16 th April 2019	<u>Supplement 2:</u> Report Reference: RR217976 dated 16 th April 2019 Description of the change: Reference to obsolete control drawing removed from equipment marking. Certificate updated to new format.

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmaprovals.com www.fmaprovals.com