

CERTIFICATE OF CONFORMITY

1. HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. **Certificate No:** FM16US0442
3. **Equipment:** Load Cells, Barrier Sets, Junction Boxes, Summing Boxes
(Type Reference and Name) Weighing Equipment
4. **Name of Listing Company:** Vishay Precision Group
5. **Address of Listing Company:** 2930 Inland Empire Blvd, Suite 100, Ontario, California 91764, United States of America
6. The examination and test results are recorded in confidential report number:

3047881 dated 12th April 2013

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

FM 3600:2022, FM 3610:2021, FM 3611:2021, FM 3810:2021, ANSI/UL 121201:2021

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:

Load Cells / Summing Junction Boxes / Junction Boxes - Intrinsically safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; Nonincendive with nonincendive field wiring for Class I, Division 2, Groups A, B, C and D; suitable for Class II Division 2, Groups F and G; suitable for Class III, Divisions 1 and 2 hazardous (classified) locations.

Barrier Set – Associated intrinsically safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G hazardous (classified) locations.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

4 November 2025

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. One Technology Way, Norwood, MA 02062 USA

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

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11. The marking of the equipment shall include:

Load Cells, Summing Junction Boxes:

IS CL I, II, III, DIV 1, Groups GP A-G; Entity
NI CL I, DIV 2, GP A-D; NIFW;
S CL II, III, DIV 2, GP F, G; NIFW;
Installed Per Dwg. 468872-2 or 468873
Temp. Code: T4
Ta = -25°C to +40°C

Junction Boxes:

IS CL I, II, III, DIV 1, Groups GP A-G; Entity
NI CL I, DIV 2, GP A-D; NIFW;
S CL II, III, DIV 2, GP F, G; NIFW;
Installed Per Dwg. 468872-2 or 468873
Temp. Code: T6
Ta = -25°C to +40°C

Barrier Sets:

AIS CL I, II, III, DIV 1, GP A-G; Entity
Installed Per Dwg. 468872-2

12. Description of Equipment:

General – Load Cells for various types of weighing and force measurement applications. Load cells are provided in various mounting options and weight measuring ranges. Measurements are based on the Wheatstone Bridge strain gage configuration. The 306 and 308 Junction Boxes provide, a multi-cell interface for load cell signal summing and conditioning instrumentation. The 304 Extension Boxes are used whenever transducer cables are not long enough to reach the summing unit or system instrumentation. The internal terminal block or connection provides wire hookup. Barrier Sets are specific barrier configurations housed in a junction box.

Construction – Load Cell modules are constructed of stainless steel, nickel plated alloy steel, yellow chromate steel, electropolished stainless steel high grade tool steel, low carbon steel, nickel plated beryllium copper and tin plated brass. Junction Boxes are stainless steel construction boxes with hinged or screw down covers. Barrier sets stainless steel equipment boxes with FM Approved barriers mounted inside for input/output connection.

Ratings - The equipment is for use in an ambient temperature range of -25°C to +40°C.

Nonincendive Field wiring Parameters – See Installation Drawing 466673-2

Intrinsic Safety Entity Parameters – See Installation Drawing 468872-2

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Load Cells. Part Nos.: ALPHA, C2G1-H, C2G2-H, C2P1, C2P2, C3P1, C3P2, GLT, HTZ, KDH-1B, KDH-3, KDH-3B, KDH-5, KIS-1, KIS-2, KIS-3, KIS-1R, KIS-2R, KIS-3R, KIS-1SD, KIS-2SD, KIS-3SD, KIS-8, LTT, SBP1, T2P1, T2P2, T3P1, T3P2, U3G1, U3G2, Z-BLOK

Junction Box. Part Nos.: 304, 304SS, 304EX, 304-IS-5, 304-IS-7

Summing Junction Box. Part Nos.: 308A-4-CP, 308A-4-EX, 308A-4-FG, 308A-8-FG, 308A-4-SS, 308A-8-SS, 308A-4-SS-IS-2, 308A-8-CP, 308A-8-CP-IS-3, 308A-8-EX, 308A-4-CP-IS-2, 306-4-SS

Barrier Set. Part Nos.: 404, 405, 404A, 404A-EX, 404A-SS, 405-EX, 406A, 406A-EX, 408A, 408A-EX, 504A, 504A-EX, 505A, 505A-EX, 506A, 506A-EX, 508A, 508A-EX

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
12 April 2013	Original Issue.
9 December 2016	<u>Supplement 3:</u> Report Reference: – RR207650, dated 9 December 2016 Description of the Change: Add KIS-1R, KIS-2R and KIS-3R Load Cells
16 January 2018	<u>Supplement 4:</u> Report Reference: – RR212322, dated 16 January 2018 Description of the Change: Add KIS-1SD, KIS-2SD and KIS-3SD Load Cells
27 March 2019	<u>Supplement 5:</u> Report Reference: – RR212159, dated 27 March 2019 Description of the Change: Add KDH-5 and KIS-8. Document consolidation and additions for new models.

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Date	Description
28 October 2025	<u>Supplement 6:</u> Report Reference: PR465454 dated 28 October 2025. Description of the Change(s): Some of the approval standards are updated to later editions.
4 November 2025	<u>Supplement 7:</u> Report Reference: RR248423 dated 4 November 2025. Description of the Change(s): Fixed a typing error in the Listing.



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