

CERTIFICATE OF CONFORMITY

1. HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

2. **Certificate No:** FM23CA0043X
3. **Equipment:** G4 Multi-Channel Weighing Instrument
(Type Reference and Name)
4. **Name of Listing Company:** Vishay Precision Group
5. **Address of Listing Company:** VPG BLH,
Skrantahöjdsvägen 40,
691 46, Karlskoga, Sweden

6. The examination and test results are recorded in confidential report number:

3036035 dated ORIG_APPROVAL_DATE

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

CSA C22.2 No. 213:2017, CSA C22.2 No. 61010-1:2004

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:**

See Annex.

11. The marking of the equipment shall include:

See Annex.

12. **Description of Equipment:**

General - The G4 Instrument is a multi-channel weight indicator intended for industrial systems. Its basic function is to convert the signals from strain gauge transducers to useful weight information. Transducer

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

18 July 2023

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

F 348 (Apr 21)



SCHEDULE

Canadian Certificate Of Conformity No: FM23CA0043X



Member of the FM Global Group

excitation is included as well as parameter controlled signal processing, indication of output levels, error supervision and operation of optional external equipment.

Construction – The G4 electronics are housed in an aluminum enclosure. The G4 Panel Mount version provides an operator interface with 34 membrane keys and a LCD touch display. The G4 Rail Mount version provides a service panel and 4 keys. Both types can be equipped with different types of modules such as Weight/Force, Analog output, Digital input/output etc.

Ratings – The G4 PM is available in a 110-240VAC or 24VDC version, the RM is only available in a 24 VDC version.

See Annex.

13. Specific Conditions of Use:

See Annex.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

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
18 July 2023	Original Issue. The original certificate 3036036Ccoc is reissued in the new format. Company address change. Drawing changes which do not affect safety.

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

F 348 (Apr 21)



SCHEDULE

Canadian Certificate Of Conformity No: FM23CA0043X



ANNEX

G4-PM

Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4A Ta = 50°C; Suitable for use in Class II and III, Division 2, Groups E, F and G; Temperature Class T4A Ta = 50°C; Nonincendive field wiring connections to Class I, Division 2, Groups A, B, C, and D; Class II and III, Division 2, Groups E, F and G; when installed in accordance with Control Drawing No. 401706; indoor, Type 4X Hazardous Locations.

Markings:

CL I, DIV 2, GPS A, B, C, D
CL II, III, DIV 2, GPS E, F, G
T4A Ta = 50°C

Description of Equipment:

G4-PM-a-b-c-d-e-f-g-h-i. Multi-Channel Weighing Instrument.

a = Fieldbus Interface: 0, P or D.
b = Slot 1: 0, 2, 3, 4, 6, 7 or 8.
c = Slot 2: 0, 2, 3, 4, 6, 7 or 8.
d = Slot 3: 0, 2, 3, 4, 6, 7 or 8.
e = Slot 4: 0, 2, 3, 4, 6, 7 or 8.
f = Slot 5: 0, 2, 3, 4, 6, 7 or 8.
g = Slot 6: 0, 2, 3, 4, 6, 7 or 8.
h = Power Supply: D or A.
i = Software: W, F, S or Blank.

Specific Conditions of Use:

1. The Model G4-PM Multi-Channel Weighing Instrument is for indoor use only.
2. The USB connection shall not be used in hazardous locations.

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

F 348 (Apr 21)



SCHEDULE

Canadian Certificate Of Conformity No: FM23CA0043X



Member of the FM Global Group

G4-RM

Equipment Ratings:

Nonincendive field wiring connections to Class I, Division 2, Groups A, B, C, and D; Class II and III, Division 2, Groups E, F and G; when installed in accordance with Control Drawing No. 401709; indoor Hazardous Locations.

Markings:

CL I, DIV 2, GPS A, B, C, D
T4A Ta = 50°C

Description of Equipment:

G4-RM-a-b-c-d-e-f. Multi-Channel Weighing Instrument.

a = Fieldbus Interface: 0, P or D.
b = Slot 1: 0, 2, 3, 4, 6, 7 or 8.
c = Slot 2: 0, 2, 3, 4, 6, 7 or 8.
d = Slot 3: 0, 2, 3, 4, 6, 7 or 8.
e = Power Supply: V.
f = Software: W, F, S or Blank.

Specific Conditions of Use:

1. The Model G4-RM Multi-Channel Weighing Instrument shall be installed in a final enclosure meeting the requirements of CAN/CSA-C22.2 No. 1010.1 and the Canadian Electrical Code® (CEC, CAN/CSA-C22.1).
2. The Model G4-RM Multi-Channel Weighing Instrument shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
3. The USB connection shall not be used in hazardous locations.

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

F 348 (Apr 21)

