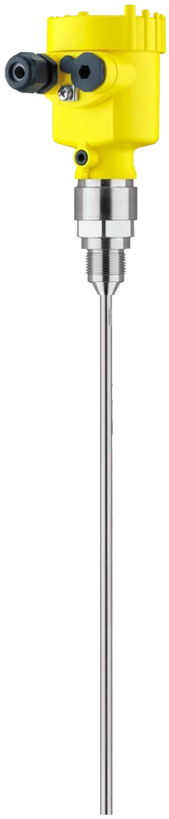
Ordinary Location
VEGAFLEX FX8*(*).CX/M



Document ID: 49271

Certificate of Compliance

Certificate: 2701669 **Master Contract:** 153857

Project: 70014727 **Date Issued:** December 10, 2014

Issued to: **Vega Grieshaber KG**
Am Hohenstein 113
Schiltach, 77761
GERMANY
Attention: Nick Ilchovski

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Dimcho Genov
Dimcho Genov

PRODUCTS

CLASS - C225206 - PROCESS CONTROL EQUIPMENT
CLASS - C225286 - PROCESS CONTROL EQUIPMENT-Certified to US Standards

VEGAFLEX 80 Series Level Measuring Equipment, Models VEGAFLEX 81, VEGAFLEX 82, VEGAFLEX 83 and VEGAFLEX 86

Supply Voltage: Electronics A/H 9.6…35V dc; Electronics P/F 9.0...32V dc; Enclosure Type 4X, IP66/67; Ambient temperature range -50ºC to +60ºC; to be supplied by a Class 2 or Limited Energy Source in accordance with CSA 61010-1-12; Overvoltage Category I.

Supply Voltage 14…36 V dc for FX80 with 2-Wire Barrier (Supplementary Electronics PLICSZEBH); to be supplied by a Class 2 or Limited Energy Source in accordance with CSA 61010-1-12; Overvoltage Category I.

Supply Voltage 9.6…48 V dc/ 2W or 20…42 V ac/ 4VA for FX80 with 4-Wire Barrier Low Voltage version (Supplementary Electronics PLICSZEBVL); Overvoltage Category II.

Supply Voltage 90…253 V ac/ 4VA for FX80 with 4-Wire Barrier High Voltage version (Supplementary Electronics PLICSZEBVH); Overvoltage Category II.

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Supply Voltage 8 … 32 V DC for FX80 with 4-Wire Barrier ModBus (Supplementary Electronics PLICSZE-MB); to be supplied by a Class 2 or Limited Energy Source in accordance with CSA 61010-1-12; Overvoltage Category I.

Process Pressure: (Depends on the Process connection and on the Sensor Version; refer to safety instructions and manual)

Notes:

1. Environmental Conditions: 5000 m max

FX81 (a).bcdefghijklm

a = Optional electable parameter for internal information, options not affecting safety, one digit alphanumeric variable referring to non-electrical properties
Y = Yokogawa distributor
b = Certification: C (CSA)
c = Approval: X, M
d = Version/Material: 7, 8, 9, A, B, C, D, E, F, I, K, L, M, O, P, Q, R, S, X, Y or Z
ef = Process Fitting/Material: Two digit alphanumeric variable for connections, which represents a TRI-CLAMP, DN or ASME industry type flange with pressure ratings, and any type of process connections which comply with an international or equivalent national standard
g = Seal/Process Temperature: A, B, D, F, G, H, I, J, L, M, N, O, P or K
h = Electronics: A, B, H, I, U, P or F
i = Supplementary Electronics: X, Z
j = Housing/Protection: A, B, C, D, V, H, S, W, K, Q, R, 3, 4, 5, 8, X or Y
k = Cable Entry/Connection: 6, 8, D, B, C, E, F, G, H, I, J, K, L, M, N, O, P, W or Z
l = Indicating/Adjustment Module PLICSCOM: A, B or X
m = Additional certificates: Options not affecting safety, one digit alphanumeric variable referring to non-electrical properties

FX82 (a).bcdefghijklm

a = Optional electable parameter for internal information, options not affecting safety, one digit alphanumeric variable referring to non-electrical properties
Y = Yokogawa distributor
b = Certification: C (CSA)
c = Approval: X, M
d = Version/Material: 7, 8, 9, A, B, C, D, E, F, I, K, L, M, O, P, Q, R, S, X, Y or Z
ef = Process Fitting/Material: Two digit alphanumeric variable for connections, which represents a TRI-CLAMP, DN or ASME industry type flange with pressure ratings, and any type of process connections which comply with an international or equivalent national standard
g = Seal/Process Temperature: A, B, D, F, G, H, I, J, L, M, N, O, P or K
h = Electronics: A, B, H, I, U, P or F
i = Supplementary Electronics: X, Z

Certificate: 2701669 **Master Contract:** 153857
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j = Housing/Protection: A, B, C, D, V, H, S, W, K, Q, R, 3, 4, 5, 8, X or Y
k = Cable Entry/Connection: 6, 8, D, B, C, E, F, G, H, I, J, K, L, M, N, O, P, W or Z
l = Indicating/Adjustment Module PLICSCOM: A, B or X
m = Additional certificates: Options not affecting safety, one digit alphanumeric variable referring to non-electrical properties

FX83 (a).bcdefghijklm

a = Optional electable parameter for internal information, options not affecting safety, one digit alphanumeric variable referring to non-electrical properties
Y = Yokogawa distributor
b = Certification: C (CSA)
c = Approval: X, M
d = Version/Material: 7, 8, 9, A, B, C, D, E, F, I, K, L, M, O, P, Q, R, S, X, Y or Z
ef = Process Fitting/Material: Two digit alphanumeric variable for connections, which represents a TRI-CLAMP, DN or ASME industry type flange with pressure ratings, and any type of process connections which comply with an international or equivalent national standard
g = Seal/Process Temperature: A, B, D, F, G, H, I, J, L, M, N, O, P or K
h = Electronics: A, B, H, I, U, P or F
i = Supplementary Electronics: X, Z
j = Housing/Protection: A, B, C, D, V, H, S, W, K, Q, R, 3, 4, 5, 8, X or Y
k = Cable Entry/Connection: 6, 8, D, B, C, E, F, G, H, I, J, K, L, M, N, O, P, W or Z
l = Indicating/Adjustment Module PLICSCOM: A, B or X
m = Additional certificates: Options not affecting safety, one digit alphanumeric variable referring to non-electrical properties

FX86 (a).bcdefghijklm

a = Optional electable parameter for internal information, options not affecting safety, one digit alphanumeric variable referring to non-electrical properties
Y = Yokogawa distributor
b = Certification: C (CSA)
c = Approval: X, M
d = Version/Material: 7, 8, 9, A, B, C, D, E, F, I, K, L, M, O, P, Q, R, S, X, Y or Z
ef = Process Fitting/Material: Two digit alphanumeric variable for connections, which represents a TRI-CLAMP, DN or ASME industry type flange with pressure ratings, and any type of process connections which comply with an international or equivalent national standard
g = Seal/Process Temperature: A, B, D, F, G, H, I, J, L, M, N, O, P or K
h = Electronics: A, B, H, I, U, P or F
i = Supplementary Electronics: X, Z
j = Housing/Protection: A, B, C, D, V, H, S, W, K, Q, R, 3, 4, 5, 8, X or Y
k = Cable Entry/Connection: 6, 8, D, B, C, E, F, G, H, I, J, K, L, M, N, O, P, W or Z
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Project: 70014727 **Date Issued:** December 10, 2014

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
CAN/CSA-C22.2 No. 94-M91	-	Special Purpose Enclosures
UL Std. No. 61010-1 (3rd Edition)	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
UL Std. No. 50 (Edition 10)	-	Enclosures for Electrical Equipment

Supplement to Certificate of Compliance

Certificate: 2701669 **Master Contract:** 153857

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
		Original Certification.
70014727	Dec 10 2014	Update report #2701669 to cover revisions in the environmental conditions and pressure ranges of the Vegaflex 80 series of models.
2701669	Jul 22 2014	Ordinary locations certification of VEGAFLEX 80 Series Level Measuring equipment.

Printing date:

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