



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX FMG 10.0006X	Issue No: 12	Certificate history: Issue No. 12 (2017-05-05) Issue No. 11 (2015-11-13) Issue No. 10 (2015-06-26) Issue No. 9 (2015-01-07) Issue No. 8 (2013-09-04) Issue No. 7 (2012-07-09) Issue No. 6 (2012-04-06) Issue No. 5 (2011-09-22) Issue No. 4 (2011-02-02) Issue No. 3 (2011-01-24) Issue No. 2 (2010-12-20)
Status:	Current	Page 1 of 6	
Date of Issue:	2017-05-05		
Applicant:	Varec Inc. 5834 Peachtree Corners East, Suite A Norcross GA 30092 United States of America		
Equipment:	N2910 Float and Tape Transmitter (FTT), N2920 Float and Tape Transmitter (FTT), and N8200 Current Output Level Transmitter (COT)		
<i>Optional accessory:</i>			
Type of Protection:	Flameproof Ex d Flameproof Ex d [ia]		
Marking:	N2910FTT, N2920FTT, N8200COT Ex d IIB T5 Gb Ta = -20°C to +85°C; IP66 N2920FTT Ex d [ia Ga] IIB T5 Gb Ta = -20°C to +85°C; IP66		

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America



Member of the FM Global Group



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Manufacturer: **Varec Inc.**
5834 Peachtree Corners East; Suite A
Norcross GA 30092
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

US/FMG/ExTR10.0028/00	US/FMG/ExTR10.0028/01	US/FMG/ExTR10.0028/02
US/FMG/ExTR10.0028/03	US/FMG/ExTR10.0028/04	US/FMG/ExTR10.0028/05
US/FMG/ExTR10.0028/06	US/FMG/ExTR10.0028/07	US/FMG/ExTR10.0028/08

Quality Assessment Report:

[GB/FME/QAR10.0006/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

N2910-abcdefg. Float and Tape Transmitter .

a = Approval Certification: AT.

b = Power Input: 0, 1, or 2.

c = Communications: N/A, MS, MB, or LJ.

d = Range: 0, 1, 2, 3, 4, 5, or 6.

e = Limit Switches: N, A, B, or C.

f = Addition Junction Box: 0, or 1.

g = Digital Inputs / Outputs: A, or B.

N2920-abcdefghi. Float and Tape Transmitter .

Entity Parameters:

U_o = 28V, I_o = 120mA, P_o = 840mW



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Gp	IIB	IIA
Co (uF)	.65	2.15
Lo (mH)	9.87	19.75

a = Approval Certification: AT.
b = Power Input: 1, or 2.
c = Communications: BP, MS, MB, or LJ.
d = Limit Switches = 0, 1, or 2.

e = Limit Switches Range: N, A, B, C, D, E, or F.
f = Additional Digital Input/Outputs: 1, or 2.
g = Digital Inputs / Outputs: N, A, B, or C.

h = Hart Inputs / Outputs (Hart Master): 0, or 1.

i = Display Orientation: A, B, or C.

N2920-abcdefghi. Float and Tape Transmitter.

a = Approval Certification: AT.
b = Power Input: 1, or 2.
c = Communications: BP, MS, MB, or LJ.
d = Limit Switches = 0, 1, or 2.

e = Limit Switches Range: N, A, B, C, D, E, or F.
f = Additional Digital Input/Outputs: 1, or 2.
g = Digital Inputs / Outputs: N, A, B, or C.

h = Hart Inputs / Outputs (Hart Master): 0, or 1.

i = Display Orientation: A, B, or C.



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N8200abcde. Current Output Level Transmitter .

a = Input power type : 0, 1, or 2.

b = Level Range: 1, to 8.

c = Approval Certification: 2, or 3.

d = General Options : 0, to 5.

e = Junction Box: 0, or 1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1.) Consult the manufacturer if dimensional information on the flameproof joints is necessary.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Addition of IS rating to the N2920