

Certificate of Compliance

Certificate: 1735429

Master Contract: 182892

Project: 1735429

Date Issued: February 2, 2006

Issued to: Yokogawa Europe B.V.
Databankweg 20
3821 AL Amersfoort
THE NETHERLANDS

The products listed below are eligible to bear the CSA Mark shown



Issued by: E. Giusti

Authorized by: M.H.J. Hoendervangers



PRODUCTS

Class 2258-04 – PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Division 1, Groups A, B, C & D T4 and T6
Ex ia IIC T4 and T6 (Class I, Zone 0)

Liquid Analyser Model EXA DO202S Series, Model DO202S-F and Model DO202S-P
Model DO202S-A with entity parameters: U_i (V_{max}) = 31,5 V, I_i (I_{max}) = 100 mA, P_i = 1,2 W, C_i = 220 pF, L_i = 0 μ H;

Model DO202S-F and Model DO202S-P with entity parameters:

Intrinsically Safe when connected in accordance with Control Drawing FF1-DO202S-00, (page 3/10 Model DO202S-A Non-Fieldbus-version)

page 4/10 Model DO202S-F and Model DO202S-P-Fieldbus versions).

Where DO202S-A = Intrinsically safe, 4-20 mA & HART
DO202S-F = Intrinsically safe, Foundation Fieldbus
DO202S-P = Intrinsically safe, Profibus

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Class 2258-02 – PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Liquid Analyser Model DO202S-N (Non-Fieldbus version)

Non-incendive T4...T6, suitable for:

Class I, Div 2, Groups A, B, C and D

31.5 Vdc, 4-20 mA, for NI entity parameters see Control Drawing FF1-DO202S-00, page 3/10(Non-Fieldbus version).

Liquid Analyser Model DO202S-B (Fieldbus version) and Model DO202S-D (Fieldbus version)

Non-incendive T4...T6, suitable for:

Class I, Div 2, Groups A, B, C and D

32 Vdc, 4-20 mA, for NI entity parameters see Control Drawing FF1-DO202S-00, page 3/10 FF1-DO202S-00, page 4/10 (Fieldbus version).

Temperature Code T4 at a maximum ambient temperature of 55 °C.

Temperature Code T6 at a maximum ambient temperature of 40 °C.

APPLICABLE REQUIREMENTS

- CSA Standards C22.2 – No. 0-M1991: General requirements – Canadian Electrical Code, Part II.
- No. 0.4-M1982: Bonding and Grounding of Electrical Equipment (Protective Grounding)
- No. 142-M1987: Process Control Equipment.
- No. 157-M1992: Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
- No. 213-M1987: Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

SPECIAL CONDITIONS FOR SAFE USE (X)

1. The equipment shall be installed in accordance with Control Drawing No. FF1-DO202S-00, page 3/10(Non-Fieldbus version), resp. FF1-DO202S-00, page 4/10(Fieldbus version).

Supplement to Certificate of Compliance

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*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
1734529	February 2, 2006	Original Certification for Liquid Analyser Model DO202S-A, Model DO202S-N, Model DO202S-B, Model DO202S-D, Model DO202S-F and Model DO202S-P.