

# Certificate of Compliance

**Certificate:** 1248412 (LR 105000-6)

**Master Contract:** 185180

**Project:** 1347409

**Date Issued:** July 31, 2002

**Issued to:** **Wika**  
Alexander Wiegand GmbH & Co.  
Alexander-Wiegand-Strasse  
D-63911 Klingenberg / Main  
Klingenberg  
GERMANY

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



*P Andrew Redeker*  
**Issued by:** Andrew Redeker, C.E.T.  
Certification Specialist

*John Verwey*  
**Authorized by:** John Verwey, P.Eng.  
Operations Manager

## CLASS

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

## PRODUCTS

Class I, Groups A, B, C and D

Model T32.1X.XXX and T32.3X.XXX digital temperature transmitters; T-Code T4, T5, T6 with maximum ambient temperatures of 85°C, 75°C, 60°C respectively; Entity parameters are as follows:

Input Terminals (+, -)

V<sub>max</sub> = 30Vdc

I<sub>max</sub> = 130mA

P<sub>max</sub> = 800mW

C<sub>i</sub> = 7.8nF

L<sub>i</sub> = 0.1mH

Output Terminals (1, 2, 3, 4)

V<sub>oc</sub> = 11.5Vdc

I<sub>sc</sub> = 12.3mA

P<sub>max</sub> = 35.2mW

C<sub>a</sub> = 1.6uF

L<sub>a</sub> = 1mH



CSA INTERNATIONAL

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Model T24.1X.XXX temperature transmitter; T-Code T4, T5, T6 with maximum ambient temperatures of 85°C, 75°C, 60°C respectively; Entity parameters are as follows:

Input Terminals (+, -)

V<sub>max</sub> = 30Vdc  
I<sub>max</sub> = 120mA  
P<sub>max</sub> = 800mW  
C<sub>i</sub> = 6.2nF  
L<sub>i</sub> = 110uH

Output Terminals (1, 2, 3, 4)

V<sub>oc</sub> = 6.4Vdc  
I<sub>sc</sub> = 42.6mA  
P<sub>max</sub> = 37.1mW  
C<sub>a</sub> = 20uF  
L<sub>a</sub> = 10mH

### CLASS

2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

### PRODUCTS

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

Model T32.1X.XXX and T32.3X.XXX digital temperature transmitters; rated 30V max, 130mA max; T-Code T4, T5, T6 with maximum ambient temperatures of 85°C, 75°C, 60°C respectively.

Model T24.1X.XXX temperature transmitter; rated 30V max, 120mA max; T-Code T4, T5, T6 with maximum ambient temperatures of 85°C, 75°C, 60°C respectively.

### APPLICABLE REQUIREMENTS

- CSA Standard C22.2 No 0-M1991 - General Requirements - Canadian Electrical Code Part II.
- 142-M1987 - Process Control Equipment.
- 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.
- 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.



## *Supplement to Certificate of Compliance*

**Certificate:** 1248412 (LR105000-6)

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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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
LR 105000-6	June 2, 1998	Original Certification
LR 105000-8	April 23, 1999	Alternate construction for Transmitter model T32.1X.XXX series and include Model T32.3X.XXX series
1248412	Oct 3, 2001	Alternate construction of model configuration T32.11.00X and add Class I, Div 2 certification
1347409	July 31, 2002	Addition of Model T24.1X.XXX for Class I, Div 1 & 2 certification