



Certificate of Compliance

Certificate: 1396916 (LR 66027)

Master Contract: 150135

Project: 2682196

Date Issued: May 28, 2014

Issued to: WIKA Instruments Ltd.

3103 Parsons Rd
Edmonton, AB T6N 1C8
Canada
Attention: Robert Woo

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.



Aisha Sreenath

Issued by: Aisha Sreenath

PRODUCTS

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

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III

Canadian Zone Designation: Class I, Zone 0; Ex ia; IIC; IP65; DIP A20

US Zone Designation: Class I, Zone 0; AEx ia; IIC; IP65

Models IS-10-A and IS-11-A Pressure Transmitters, Model IL-10-A Level Probe with up to 10 alphanumeric suffixes denoting mechanical or electrical variations; and Models IS-20-S/F/H and IS-21-S/F Pressure Transmitters with up to 9 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively; Single Seal; IS-10/20 -A, -S, -F MWP 1000 bar, IS-11/21 -A, -S, -F MWP 600 bar, IS-20-H MWP 6000 bar; intrinsically safe when installed per WIKA Drawing 2323880, with Entity parameters as follows:

Vmax = 30 Vdc



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$I_{max} = 100 \text{ mA}$

$P_i = 1 \text{ W}$

$C_i = 22 \text{ nF}$

$L_i = 0.1 \text{ mH}$ (IS-10/-11, IL-10 series)

$L_i = 0 \text{ mH}$ (IS-20/-21 series)

Note: All models with the exception of the IL-10-A are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to $+125^{\circ}\text{C}$.

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations - To U.S. Requirements

Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III

Canadian Zone Designation: Class I, Zone 2; Ex nL; IIC; IP65; DIP A22

US Zone Designation: Class I, Zone 2; AEx nL; IIC; IP65

Models IS-10-A and IS-11-A Pressure Transmitters, Model IL-10-A Level Probe with up to 10 alphanumeric suffixes denoting mechanical or electrical variations; and Models IS-20-S/F/H and IS-21-S/F Pressure Transmitters with up to 9 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C , 80°C , 60°C respectively; Single Seal; IS-10/20 -A, -S, -F MWP 1000 bar, IS-11/21 -A, -S, -F MWP 600 bar, IS-20-H MWP 6000 bar; non-incendive when installed per WIKA Drawing 2323880, with Field Wiring parameters as follows:

$V_{max} = 30 \text{ Vdc}$

$I_{max} = 100 \text{ mA}$

$P_i = 1 \text{ W}$

$C_i = 22 \text{ nF}$



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Li = 0.1 mH (IS-10/-11, IL-10 series)

Li = 0 mH (IS-20/-21 series)

Note: All models with the exception of the IL-10-A are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to +125°C.

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - To U.S. Requirements

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

Canadian Zone Designation: Class I, Zone 2; Ex nA; IIC; IP65; DIP A22

US Zone Designation: Class I, Zone 2; AEx nA; IIC; IP65

Models IS-10-A and IS-11-A Pressure Transmitters, Model IL-10-A Level Probe with up to 10 alphanumeric suffixes denoting mechanical or electrical variations; and Models IS-20-S/F/H and IS-21-S/F Pressure Transmitters with up to 9 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively; Single Seal; IS-10/20 -A, -S, -F MWP 1000 bar, IS-11/21 -A, -S, -F MWP 600 bar, IS-20-H MWP 6000 bar; suitable for use in Class I, Division 2 when connected via conduit.

Note: All models with the exception of the IL-10-A are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to +125°C.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures

CSA Standard C22.2 No.142-M1987 - Process Control Equipment

CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations



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CAN/CSA E60079-0:07 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

CAN/CSA E60079-11:02 - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"

CAN/CSA E60079-15:02 - Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection "n"

CAN/CSA-E61241-1-1:02 - Electrical apparatus for use in the presence of combustible dust - Part 1-1:
Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus

UL Standard 50, Eleventh Edition - Enclosures for Electrical Equipment

UL Standard 508, Seventeenth Edition – Industrial Control Equipment

UL Standard 913, Seventh Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations

UL Standard 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.

UL Standard 1203, Fourth Edition – Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (used for dust ingress protection requirements)

UL 60079-0, Fourth Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements

UL 60079-11, First Edition - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"

UL 60079-15, First Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Electrical Apparatus with Type of Protection “n”

ANSI/ISA 12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids