Certificate of Compliance

Certificate:	1615930	**Master Contract:**	200600
Project:	80137785	**Date Issued:**	October 13th, 2022

Issued To: **Endress+Hauser Wetzer GmbH Co. KG**
Obere Wank 1
Nesselwang, Bavaria, 87484
Germany

Attention: Michael Pfanzelt

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

Issued by: *Alison Cheng*
Alison Cheng

PRODUCTS

CLASS 2252 03 - PROCESS CONTROL EQUIPMENT

• Digital Field Display, Types RIA 14 and RIA 16, SELV or Class 2 power supply rated 35 Vdc, 4-20 mA. Ambient temperature = - 40°C to + 80°C. Enclosure Type 4X and IP67.

CLASS 2252 05 - PROCESS CONTROL EQUIPMENT

• Digital Field Display, Types RID 14 and RID 16, SELV or Class 2 power supply rated 9…35Vdc, 12mA. Ambient temperature = - 40°C to + 80°C Enclosure Type 4X and IP67.

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

Ex nA IIC:

Class I, Div. 2, Groups A, B, C & D; Class II, Div. 2, Groups E, F and G; Class III, Div. 2:

• Digital Field Display, Types RIA 14 and RIA 16 rated 35Vdc, loop powered 4-20mA, Non-Incendive when connected per Installation Drawings 12 07 00 112 or 02 15 00 112. Temp. Codes T6/T5/T4, Ta = - 40°C to + 55/70/80°C. Enclosure Type 4X and IP67.

• Digital Field Display, Types RID 14 and RID 16, input rated 35Vdc max., 12mA, Non-Incendive when installed with certified non-incendive associated apparatus meeting entity Ui/Vmax = 35Vdc, Ci = 5nF, Li = 10µH per Dwg 12 08 00 112 or 12 06 00 112. Temperature codes: T6, Ta = - 40°C to + 55°C, T5, Ta = - 40°C to + 70°C and T4, Ta = - 40°C to + 80°C. Enclosure Type 4X and IP67.

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

Ex ia IIC:

Class I, Div. 1, Groups A, B, C & D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1:

• Digital Field Display, Types RIA 14 and RIA 16, rated 30Vdc, loop powered 4-20mA, with supply entity parameters U_i = 30Vdc, I_i = 100mA, P_i = 750mW, C_i = 15.2nF, L_i = 0 and "OC" entity parameters U_i = 30Vdc, I_i = 100mA, P_i = 375mA, C_i = 0, L_i = 0, Intrinsically Safe when connected according to Installation Drawings 12 07 00 112 or 12 05 00 112. Temperature codes, T6, Ta = -40 °C to + 50 °C, T5, Ta = -40 °C to + 60 °C and T4, Ta = -40 °C to + 85 °C. Enclosure Type 4X and IP67.

• Digital field display, Type RID 14 and RID 16, rated 9 - 35V, 12mA, suitable for connection to a Profibus PA/ Foundation Fieldbus system according to Entity of Ui/Vmax = 24Vdc, Ii/Imax = 250mA, Pi/Pmax = 1.2W, Ci = 5nF, Li = 10µH or FISCO Concept Ui/Vmax = 17.5Vdc, Ii/Imax = 500mA, Pi/Pmax = 5.5W, Ci = 5nF, Li = 0µH. Intrinsically Safe when connected according to Installation Drawing No. 12 08 00 112 or 12 06 00 112. Temperature codes T6, Ta = - 40°C to + 55°C; T5, Ta = - 40°C to + 70°C; and T4, Ta = - 40°C to + 80°C. Enclosure Type 4X and IP67.

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT – For Hazardous Locations

Class I, Div. 1, Groups A, B, C and D:

• Digital Field Display, Type RIA 14, rated 35Vdc, 200mA, loop powered 4-20mA, per Installation Dwg 12 07 00 114. Temp. Codes T6/T5/T4, Ta = - 40°C to + 55/70/80°C. Enclosure Type 4X. IP67. Seal conduits within 18".

• Digital Field Display, Type RID 14, rated 9… 35 Vdc, 3W. Connect to Profibus PA / Foundation Fieldbus system per Installation Drawing 12 08 00 114. Temperature codes T6, Ta = - 40 °C to +55 °C; T5, Ta = - 40 °C to +70 °C; and T4, Ta = - 40 °C to +80 °C. Enclosure Type 4X. IP67. Seal conduits within 18".

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CSA Std. C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

CSA Std. C22.2 No. 213-M1987 (Reaffirmed 1999) - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CAN/CSA-C22.2 No. 157-92 (June 2003) - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA-E60079-0:02 - 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: Electrical Apparatus with Type of Protection “n”.

CAN/CSA-C22.2 No. 1010.1-92, Amends 1 and 2 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use

CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 1: General Requirements

Supplement to Certificate of Compliance

Certificate: 1615930 **Master Contract:** 200600

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
80137785	2022-10-13	FIR follow-up to update Certificate 1615930 for non-conformance issues noted in FC# 227189, FIR dated July 20, 2022, for revised descriptive drawings. Removal of CAN/CSA C22.2 No. 0 and 60529.
2261664	2010-05-25	Update to add new models RID14 & RID16 as XP, IS and NI for CL I, II, III, Div 1 & 2, Grps ABCDEFG & Ex d IIC, Ex ia IIC and Ex nA IIC.
2148752	2009-12-09	Update to include similar model RIA 16, rename model RIA 141 to RIA 14 and include Intrinsically Safe classification.
1666637	2005-05-27	CSA Certification of Temperature Transmitter RIA 141 for Explosion-Proof Hazardous Locations with KEMA Test Reports
1615930	2005-03-29	CSA Certification of Digital Field Display for Installation in Ex nA IIC; Class 1, Div. 2, Groups A, B, C, D; Class ll, Groups E,F, G and Ordinary Locations