

Certificate of Compliance

Certificate: 1334674

Master Contract: 175984

Project: 1334674

Date Issued: November 1, 2002

Issued to: Mettler-Toledo (Albstadt) GmbH
 Unter dem Malesfelsen 34
 D-72458 Albstadt-Ebingen
 GERMANY

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



Issued by: E. Giusti



PRODUCTS

CLASS 9068 01 - SCALES For Hazardous Locations

Intrinsically Safe Class 1, Div. 1, Groups A, B, C and D

- Weighing Scales, Type Viper Ex SW, Type Viper Ex M, Type Viper Ex SW MB, Type Viper Ex M MB, connected to Power Supply Unit Model PSUx, Intrinsically Safe with entity parameters per Control Drawing No. 21204100. Temperature Code T4. Ambient temperature range $-10^{\circ}\text{C} \dots +40^{\circ}\text{C}$

ELECTRICAL PARAMETERS

The Viper Ex scales are intended to be connected to a certified Mettler-Toledo Power Supply Unit Model PSUx. The following entity parameters apply:

<u>Signal designation</u>	<u>U_i (V)</u>	<u>I_i (mA)</u>	<u>P_i (W)</u>	<u>C_i (nF)</u>	<u>L_i (uH)</u>
U_d (U1)	8,7	133	1,15	111	0
U_a (U2)	12,6	42	0,53	111	0
U_{bl}	10,5	74	0,78	1	0
TxB	15	24	0,36	1	0
RxD	15	24	0,36	1	0

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APPLICABLE REQUIREMENTS

- | | | |
|---|---|---|
| CAN/CSA-C22.2 No. 0 - M91 | - | General Requirements – Canadian Electrical Code, Part II |
| CAN/CSA-C22.2 No. 157- 92 | - | Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations |
| C22.2 No. 142 – M1987 (reaffirmed 1993) | - | Process Control Equipment (Industrial Products) |

SPECIAL CONDITIONS FOR SAFE USE (X)

The equipment shall be installed in accordance with Control Drawing No. ME-21204100

The equipment shall be connected to the associated intrinsically safe equipment via cables that assure separation of the individual intrinsically safe circuits, such that no voltage or current addition must be taken into account. The cable must be protected from mechanical damage.

The ground of the grounded circuits U1, U2 and U BL shall be connected to the ground of the Associated Intrinsically Safe equipment.



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
1334674	November 1, 2002	Original Certification.