

Certificate of Compliance

Certificate: 2247720

Master Contract: 173467

Project: 2247720

Date Issued: February 10, 2010

Issued to: Mettler Toledo AG
Im Langacher
Greifensee
SWITZERLAND

Attention: Mr. C. Rickenbacher

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



Issued by: E. Giusti

Authorized by: M.H.J. Hoendervangers
Area Director Europe



PRODUCTS

CLASS 9068 01 - SCALES - For Hazardous Locations

IS Class I, Division 1, Groups C and D;

The Paint Mixing Scale Model BBA242x consists of a metal weighing base and a plastic display which is either directly attached to the base with a stand or is separately connected with a cable. This product is intrinsically safe when connected per control drawing 72227512A. Entity parameters are defined as follows:

Supply circuit (power socket):

$V_{\max} = 14.3 \text{ V}$; $I_{\max} = 2.28 \text{ A}$; $P_{\max} = 4.2 \text{ W}$, $C_i = 3.3 \text{ nF}$, $L_i = 0 \text{ mH}$ or for connection to power supply Panda-EX1P.

Data circuit (9-pin Sub-D):

$V_{\max} = \pm 11 \text{ V}$; $I_{\max} = 28 \text{ mA}$; $P_{\max} = 148 \text{ mW}$; $C_i = 1.3 \text{ nF}$; $L_i = 0 \text{ mH}$

and with the following maximum values:

$V_{oc} = 11.6 \text{ V}$, $I_{sc} = 56.8 \text{ mA}$; $P_o = 165 \text{ mW}$; $C_a = 2.11 \text{ uF}$, $L_a = 15 \text{ mH}$

From the safety point of view the circuit shall be considered to be connected to earth.

Temperature Class: T4

Ambient temperature range: 0 °C ... +40 °C

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91(R2001)
CAN/CSA-C22.2 No. 157-92 (R2002)

- General Requirements Canadian Electrical Code, Part II
- Intrinsically Safe and Non-incentive Equipment for use in
Hazardous Locations.

C22.2 No. 142-M1987 (R1993)

- Process Control Equipment.

MARKINGS

- (1) Submitter's name, trademark
- (2) Catalogue / Model designation.
- (3) Complete electrical rating (amps, hertz, and volts).
- (4) Date code / Serial number traceable to month and year of manufacture.
- (5) The CSA Monogram
- (6) Ambient temperature range
- (7) Reference to control drawings 72227512A
- (8) The words "IS Class I, Division 1, Groups C and D;"
- (9) The following cautions:
"WARNING: SUBSTITUTION OF COMPONENTS MAY AFFECT INTRINSIC SAFETY"



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
2247720	February 10, 2010	Original Certification for Paint Mixing Scale Model BBA242x.