



Certificate of Compliance

Certificate: 2013218

Master Contract: 190597

Project: 2465693

Date Issued: November 10, 2011

Issued to: **Michell Instruments Limited**

Lancaster Way Business Pk, Unit 48
Ely
Cambridgeshire, CB6 3NW
United Kingdom
Attention: Ian Arnold

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



Chris Burchett

Issued by: Chris Burchett

PRODUCTS

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

IS Class I, Division 1 Groups A, B, C & D T4

The Easidew I.S. and Easidew PRO I.S. Dewpoint transmitters are 4-20mA output loop powered dewpoint sensors.

Intrinsically Safe Dewpoint Transmitter Model: "EASIDEW I.S." and "EASIDEW PRO I.S."

Temperature code T4; Maximum Ambient +70°C.

Entity parameters: $V_{max} = 28$ V, $I_{max} = 93$ mA, $P_{max} = 651$ mW, $C_i = 37$ nF, $L_i = 0$ μ H.

Easidew I.S.: The 4-20mA loop connection may be made to terminals 1 & 3 only.

Easidew PRO I.S.: The 4-20mA loop connection may be made to terminals 2 & 4 only and the earth connection to terminal 3.



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Notes:

Special conditions of use

1. The wiring connections to the free socket must be made via crimped connectors in such a way that all the strands of the wire used are held securely by the crimp.
2. The plastic plug and socket create a potential for electrostatic discharge so must not be rubbed with a dry cloth or cleaned with solvents.
3. The Easidew I.S. Dewpoint Transmitter does not withstand the 500Vac insulation test to frame. This must be taken into account on installation.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10

- General Requirements Canadian Electrical Code, Part II - Tenth Edition

CAN/CSA-C22.2 No. 157-92 (R2006)

- Intrinsically Safe and Non-incendive Equipment for use in Hazardous Locations.

C22.2 No. 142-M1987 (R2009)

- Process Control Equipment Industrial Products.

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) Maximum ambient temperature $T_a = + 70 \text{ }^\circ\text{C}$
- (7) Reference to control drawings Ex90385CSA
- (8) The words "IS Class I, Division 1, Groups A, B, C and D T4"

METHOD OF MARKING:

The permanent markings appear on an self-adhesive metalised polyester manufactured by 3M (CUL MH18072) and Flexcon CO Inc. (CSA 99214) and is mounted on the surface of the apparatus.



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
2465693	November 10, 2011	Update report 2013218 to reflect ambient temperature change from 60°C Maximum to 70°C Maximum, and Update revised control drawings.

History

Project 2013218 (Edition 1):

Initial Report and Certificate of Compliance

Project 2190915 (Edition 2):

Since the new model only differs by the enclosure and that the minor modifications of the PCBs do not impair the intrinsic safety, no additional testing was deemed necessary.