



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 220331


**Project:** 1430364

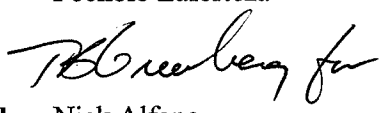
**Date Issued:** May 14, 2003

**Issued to:** Mettler-Toledo GmbH  
Im Hackacker 15  
Urdorf, 8902  
SWITZERLAND  
**Attention:** Mr. Alfred Peer

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



**Issued by:**  Pocholo Laforteza

**Authorized by:**  Nick Alfano  
Operations Manager

## PRODUCTS

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Division 2, Groups A, B, C and D  
Ex nA IIC T4

2100e pH Transmitter, 5100e CO<sub>2</sub> Transmitter, 4100e O<sub>2</sub> Transmitter, 7100e Cond Transmitter, 7100e Cond Ind Transmitter and 4100ppb Oxy (trace elements) Transmitter, conduit connected, rated Input 24-230V ac/dc - 15%/+10%, 45 to 65 Hz, 6VA; four sets of relay contacts 250V ac, 3.0 amps or 120Vdc, 3.0 amps, milliamp outputs rated 0 to 20 mA (with 130Vac/dc isolation), and other signal circuits all SELV including sensor connection which provides non-incendive connections to one of the following sensor type: InPro 3200, 4250, 6800, 6900, CO<sub>2</sub>, 7000, 7100 and 7200 using maximum 3.2 metres of cable. (Refer to control drawing 194.130-240). Operating ambient: -20 to 55°C, installation category II, pollution degree 2. Type 2 enclosure. Temperature Code T4.



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Conditions for safe use:

1. The equipment shall be installed and protected from mechanical impact and ultraviolet (UV) sources.
2. Clean only with a moistened antistatic cloth as potential electrostatic hazard may exist. Service equipment only with conductive clothing, footwear and personal grounding devices to prevent electrostatic accumulation.
3. Internal grounding provisions shall be provided for field wiring. Bonding between conduit shall be provided during installation, and all exposed non-current carrying metallic parts shall be bonded and grounded.
4. Installation in a Class I, Division 2 or Class I, Zone 2 hazardous locations shall be in accordance with the Canadian Electrical Code C22.1 Section 18 Division 2 wiring methods.

#### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 94-M91	-	Special Purpose Enclosures
CSA Std C22.2 No. 213-M1987	-	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.
CAN/CSA-C22.2 No. 1010.1-92	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements.
CAN/CSA-E60079-15:02	-	Electrical Apparatus for Explosive Gas Atmospheres--Part 15: Electrical Apparatus with Type of Protection "n"
TIL I-29B	-	Interim Certification Requirements for Process Control Equipment

#### **MARKINGS**

- Submittor's identification (company name and/or file number);
- Model designation;
- Electrical rating;
- Date of manufacture (or traceable serial number);
- CSA Mark;
- Hazardous locations designation
- Temperature Code
- Maximum ambient
- Certificate number marked "1342049X"
- Reference to control drawing
- Warning: Substitution of components may impair suitability for hazardous locations
- Warning: Do not disconnect equipment unless power has been switched off.
- Warning: Clean only with antistatic moistened cloth.
- Caution: Use supply wires suitable for 30 °C above surrounding ambient and rated at least 250 V.
- Caution: Use signal wires suitable for at least 250 V.



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## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
1430364	May 14, 2003	<u>Submitter – Knick Elektronische (LR 112122)</u> <u>Listee – Mettler Toledo</u> Stratos 2402 pH 2100e pH Tansmitter Stratos 2402 CO2 5100e CO2 Transmitter Stratos 2402 Oxy 4100e O2 Transmitter Stratos 2403 Oxy 4100ppb O2 Transmitter Stratos 2402 Cond 7100e Cond Transmitter Stratos 2402 Condi 7100e Cond Ind Transmitter