



# Certificate of Compliance

**Certificate:** 1871347 (LR 34186)

**Master Contract:** 155560

**Project:** 2204174

**Date Issued:** 2009/12/02

**Issued to:** Rosemount Analytical Inc.

Uniloc Division  
2400 Barranca Pky  
Irvine, CA 92606  
USA  
Attention: Dana Crowley

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



*David Wood*

**Issued by:** David Wood

## **PRODUCTS**

**CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -  
Certified to US Standards

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

**Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups E, F, G; Class III; Maximum Ambient 50° C; Temp Code T4A; Enclosure Type 4X**

Micro Process Analyzer - Model 1056-AB-CD-EF-GH. Rated: 115/230 Vac +/- 15%, 50/60 Hz +/- 6%, 10 W; 84-265 Vac, 47-63 Hz, 15 W and 24 Vdc, (20-30 Vdc), 15W.

**Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups E, F, G; Class III;**

**Maximum Ambient 55° C; Temp Code T4; Enclosure Type 4X**

Micro Process Analyzer - Model 1057-AB-CD-EF-GH

Rated: 84-265 Vac, 47-63 Hz, 15 W and 24 Vdc, (20-30 Vdc), 15W.

Model nomenclature suffixes denoted by the following options:

Note: Nomenclature suffixes applied for Model 1056 and Model 1057 except where indicated.



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AB – 2 digit numerical value denoting electrical options where:

01 = 115/230 Vac +/- 15%, 50/60 Hz +/- 6%, 10 W (only used with Model 1056)

02 = 24 Vdc, (20-30 Vdc), 15W

03 = 84-265 Vac, 47-63 Hz, 15 W

CD – 2 digit numerical value denoting 1st measurement option where:

20 = Contacting Conductivity

21 = Toroidal Conductivity

22 = PH/ORP/ISE

24 = Chlorine

25 = Dissolved Oxygen

26 = Ozone

27 = Turbidity (When installed as per drawing 1400325) (Not available with Model 1057)

EF – 2 digit numerical value denoting 2nd measurement option where:

30 = Contacting Conductivity

31 = Toroidal Conductivity

32 = PH/ORP/ISE

34 = Chlorine

35 = Dissolved Oxygen

36 = Ozone

37 = Turbidity (When installed as per drawing 1400325) (Not available with Model 1057)

38 = None



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GH – 2 digit numerical value denoting signal output option where:

AN= Analog 4-20 mA (Marking used with Model 1056 only)

HT= Hart 4-20 mA (Marking used with Model 1056 only)

40 = Contacting Conductivity (Marking used with Model 1057 only)

41 = Toroidal Conductivity (Marking used with Model 1057 only)

42 = PH/ORP/ISE (Marking used with Model 1057 only)

44 = Chlorine (Marking used with Model 1057 only)

45 = Dissolved Oxygen (Marking used with Model 1057 only)

46 = Ozone (Marking used with Model 1057 only)

48 = None (Marking used with Model 1057 only)

### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-M1991 - General Requirements # Canadian Electrical Code Part II.

CSA Standard C22.2 No. 0.4-04 - Bonding of Electrical Equipment

CSA Standard C22.2 No. 25-1966 - Enclosures for use in Class II groups E, F and G Hazardous Locations

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures.

CSA Standard C22.2 No. 142-M1987 - Process Control Equipment.

CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

ANSI/ISA 12.12.01: 2007 - Non incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

UL Standard No. 50, 11th Edition - Enclosures for Electrical Equipment

UL Standard No. 508, 17th Edition - Industrial Control Equipment