

Certificate of Compliance

Certificate: 1000782 (LR 34186-35)

Master Contract: 155560

Project: 1413938

Date Issued: March 14, 2003

Issued to: **Rosemount Analytical Inc.**
Uniloc Division
2400 Barranca Pky.
Irvine, CA 92606
USA
Attention: Mr. Jerry Flock

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



Issued by:


Joe da Silva, C.E.T.
Hazardous Location Team

Authorized by:


Nick Alfano
Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

PART A

Class I, Div 2, Groups A, B, C and D; Class II, Div 2, Groups E, F and G; Class III, Div 2; Type 4:

- Microprocessor Analyzer, Models 54ph, 54pH-08, 54 ORP, 54C, 54C-08, and 2375 rated 115/230V ac, 50/60Hz, 6 W and alarm relay contacts 28V dc, 115/230V ac, 6.0A (non-ind) max output to be used with sensors, Model 381+, 385+, 140, 141, 142, 150, 160, 222, 225, 226, 228, 300, 320B, 320HP, 328, 381, 385, 389, 399 or 2000.

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PART B

Class I, Div 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III ; Type 4:

- Microprocessor analyzer, Models 54eC (with suffixes) and 54ePH/ORP (with suffixes); maximum operating ambient 50°C; rated 115/230V ac, 50/60Hz, 6.0 W or 20-30V dc/ac, 47-400Hz, 6.0 W with relay contacts rated 28V dc, 110/230V ac, 6.0A (non-ind) max output. Analyzer 54eC will use sensor Models 140, 141, 142, 150, 225, 226, 228, 242, 400, 401, 402, 402-14A, 402VP, 402VP-14A, 403, 403-14, 403VP, 403VP-14, 404, 404-16, 404-17; Analyzer 54epH will use sensor Models 320B-53, 320HP, 328, 328A, 330B-53, 370, 371, 371-70, 371-72, 381, 381+, 385, 385+, 389, 389VP, 396, 396P, 396VP, 396-01, 396P-02, 396PVP, 396RVP, 396R-54, 396RVP-54, 397-02, 398, 398R, 398RVP, 398VP, 399, 399VP, GP1, HX338 and HX348.

PART C

Class I, Div 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III ; Type 4:

- Microprocessor analyzer, Models 54eA (with suffixes); maximum operating ambient 50°C; rated 115/230V ac, 50/60Hz, 6.0 W or 20-30V dc/ac, 47-400Hz, 6.0 W with relay contacts rated 28V dc, 110/230V ac, 6.0A (non-ind) max output. Analyzer 54eA will use sensor series 499ATrDO-54, 499AOZ-54, 499ADO-54 and 499ACL-01-54.

PART D

Class I, Div 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III ; Type 4:

- Microprocessor analyzer, B/T model no. 40-A-PH (Rosemount Model No. 54ePHBT-01-09), B/T Model No. 40-A-PH-24 (Rosemount Model No. 54-ePHBT-02-09), B/T Model No 40-A-DO (Rosemount Model no. 54eABT-01-09) and B/T Model No. 40-A-DO-24 (Rosemount Model no. 54eABT-02-09); maximum operating ambient 50°C; rated 115/230V ac, 50/60Hz, 6.0W or 20-30V dc/ac, 47-400Hz, 6.0W with relay contacts rated 28V dc, 110/230V ac, 6.0A (non-ind) max output. Analyzers will use sensor series 320B-53, 320HP, 328, 328A, 330B-53, 370, 371, 371-70, 371-72, 381, 381+, 385, 385+, 389, 389VP, 396, 396P, 396VP, 396-01, 396P-02, 396PVP, 396RVP, 396R-54, 396RVP-54, 397-02, 398, 398R, 398RVP, 398VP, 399, 399VP, GP1, HX338 and HX348 499ATrDO-54, 499AOZ-54, 499ADO-54 and 499ACL-01-54. (Note – These analyzers are marketed under the trade name of Broadley Technologies and not Rosemount)

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	25-1966	-	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No.	94-M91	-	Special Purpose Enclosures
CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CSA Std C22.2 No.	213-M1987	-	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

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MARKINGS

Analyzers

- Manufacturer's Name (Except for series 40 (Part D of this report) the name Broadley Technologies will appear instead);
- Model No;
- Serial No;
- Electrical Rating;
- Hazardous Location Designation;
- Special Purpose Enclosure Designation "Type 4";
- Caution re substitution of components as well as re disconnecting equipment;
- CSA Monogram;
- Maximum operating ambient (For Model 54e only)

Sensors

- Manufacturer's Name or CSA File Number;
- Model No;
- Serial No;
- Hazardous Location Designation;

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
1413938	Mar. 14, 2003	Update report with revised drawings.
1346498	Nov. 8, 2002	Update Report to include Broadley Technologies Series 40 and update Report with latest drawings.
1248387	Nov. 19, 2001	Update Report to include latest version of drawings and certification of Model 54eA.
1000782	May 6, 2001	Update Report to new (SAP) format and include certification of analyzers Models 54eC and 54epH.
-107	Apr. 26, 1999	Update Report with minor alternate construction and latest drawing revisions.
-102	Dec. 4, 1998	Update Report with latest drawing revisions.
-97	Aug. 20, 1998	Update Report with minor alternate construction and latest drawing revisions.
-88	June 2, 1998	Update Report with minor alternate construction and latest drawing revisions.
-72	Feb. 5, 1998	Update Report with minor alternate construction and latest drawing revisions.
-69	Nov. 27, 1997	Update Report with latest revisions.
-54	June 23, 1997	Update Report with latest drawing revisions.
-50	Apr. 28, 1997	Update Report with latest drawing revision.
-45	Apr. 8, 1997	Certification of Microprocessor Analyzer Models 54pH-08 and 54C-08.
-44	Apr. 8, 1997	Update Report with latest drawing revisions.
-35	Nov. 25, 1996	Microprocessor Analyzer, Models 54ph, 54 ORP, 54C and 2375 rated 115/230V ac, 50/60Hz, 6W and alarm relay contacts 28V dc, 115/230V ac, 6.0A (non-ind) max output to be used with sensors, Model 381+, 385+, 140, 141, 142, 150, 1 60, 222, 225, 226, 228, 300, 320B, 320Hp, 328, 381, 385, 389, 399 or 2000.