

British Approvals Service for Electrical
Equipment in Flammable Atmospheres



Certificate of Conformity - Variation

SUPPLEMENTARY CERTIFICATE BAS No. Ex 97D2268X/4

This is to certify that Apparatus Certificate number:

Ex 97D2268X

held by:

ROSEMOUNT ANALYTICAL INC

of:

2400 Barranca Parkway, Irvine, CA 92714-5018, USA

for the:

MODEL 3081T TOROIDAL CONDUCTIVITY TRANSMITTER

is hereby extended to apply to the apparatus designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This Supplementary Certificate shall be held with the original Certificate.

File No: EECS 0911/02/017

BASEEFA Certification Report No. 99(C)0968 dated 10 July 2000

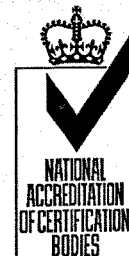
Sheet 1 of 3

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances. Representation of equipment as "Certified" is valid only when the number of the prime certificate to which this certificate is a supplement is given on the relevant EECS Manufacturing Licence or Verification Certificate.



**I M CLEARE
DIRECTOR**

8 August 2000



Registration Number
020
The use of the Accreditation
Mark indicates accreditation in
respect of those activities
covered by the accreditation
certificate number 020



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244



Supplementary Certificate BAS No. Ex 97D2268X/4

VARIATION FIVE

To permit:

1. The addition of a Fieldbus output board thus forming the models 4081T and 4081C Toroidal Conductivity Transmitters.
2. Modifications to the analog boards (3081T, 3081C).
3. An alternative CPU board for models 3081T, 3081C, 4081T, 4081C.
4. Drawing information changes.

The new models 4081T and 4081C have a Temperature Classification of T4 ($T_{amb} = 60^{\circ}\text{C}$).

Input Parameters (Models 4081T and 4081C)

Terminal Block TB1 connections 14, 15, 16

$$U_{\max.in} = 30\text{V}$$

$$I_{\max.in} = 300\text{mA}$$

$$W_{\max.in} = 1.3\text{W}$$

The above parameters must be derived from a linear supply (resistive output).

DRAWINGS

| <u>Number</u> | <u>Issue</u> | <u>Date</u> | <u>Description</u> |
|----------------------------------|--------------|-------------|-------------------------------|
| 1700322 | C | 11.02.99 | Approval Drawing |
| 2400350 Sheets 1 & 2 | B | 05.25.99 | Schematic, 4081T Analog Board |
| 23776-01 | A | 02.19.99 | PWA, 4081T Analog Board |
| 2400349 Sheets 1 & 2 | D | 11.09.99 | Schematic, 4081C Analog Board |
| 2400351 Sheets 1 & 2 | B | 06.25.99 | Schematic, 4081 CPU Board |
| 33668-00 | A | 06.22.99 | Details, 4081 CPU Board |
| 23817-00/02, -04 Sheets 1 & 2 | B | 06.25.99 | PWA, 4081 CPU Board |

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Schedule

Supplementary Certificate BAS No. Ex 97D2268X/4

| <u>Number</u> | <u>Issue</u> | <u>Date</u> | <u>Description</u> |
|---------------------------|--------------|-------------|--------------------------------------|
| 23650-04 | D | 11.09.99 | PCB Sub Assy, 4081C Analog |
| 9080144 Sheets 1 & 2 | A | 02.19.99 | Transformer, 4081 CPU Board |
| 23832-00/-01 | A | 06.22.99 | 4081 Fieldbus Output Mod |
| 70014-00 Sheets 1 to 8 | B | 05.25.99 | PCB, Fieldbus Output |
| 2400293* | AD | 03.06.97 | Circuit Display |
| 23638-01 | C | 08.25.97 | PCB Sub Assy, 3081/81 Display |
| 33423-00 | F | 08.25.97 | Details, Display Board |
| 33423-00 | F | 08.13.97 | PCB Top Silkscreen, Display Board |
| 33423-00 | F | 08.13.97 | PCB Top Layer, Display Board |
| 33423-00 | F | 08.13.97 | PCB Ground Plane, Display Board |
| 33423-00 | F | 08.13.97 | PCB Internal Layer, Display Board |
| 33423-00 | F | 08.13.97 | PCB Bottom Layer, Display Board |
| 33423-00 | F | 08.13.97 | PCB Bottom Silkscreen, Display Board |

*This drawing is associated with Certificate No. Ex 96D2494/1 and is held on file EECS 0911/02/015