

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

  
**HSE**  
Health & Safety  
Executive

**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

British Approvals Service for Electrical  
Equipment in Flammable Atmospheres



## 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