



British Approvals Service for Electrical
Equipment in Flammable Atmospheres

CERTIFICATE OF ASSURANCE

No Ex 93Y4066

Issued to BEKA ASSOCIATES LIMITED

of Hitchin, SG5 2DY

THIS IS TO CERTIFY THAT A BA324N 4/20 mA DIGITAL METER

designed and constructed in accordance with the specification set out in the Schedule and the documents therein referred to, including any variation specified in the Schedule, complies with the requirements of BS 6941 : 1988 for Group II and Temperature Class T6 in an ambient temperature of 60°C.

This Certificate is granted subject to the general conditions of the Electrical Equipment Certification Service and any additional conditions as may be prescribed.

This Certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.

Code: Ex N II T6
(Tamb = 60°C)

File No: EECS 0121/02/007

Report No: ERA Ref 3627/638
dated: May 1993

Sheet 1/2

4267/13-C



I M CLEARE
DIRECTOR EECS
15 June 1993



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: 0298 262111 Fax: 0298 79514 Telex: 668113 RLSD G





Schedule



Certificate of Assurance No Ex 93Y4066 dated 15 June 1993

APPARATUS

A BA324N 4/20 mA DIGITAL METER is designed to display the current flowing in a 4 to 20 mA dc signal loop.

The apparatus comprises an electronic circuit arranged on four printed circuit boards housed in a main cast aluminium enclosure, Bartec Type 07-5190-1221/2090 or alternatively a moulded plastics enclosure, Bartec Type 07-5195-1221/2090. The terminals for external connections are mounted on a printed circuit board housed in a plastics enclosure, Bartec Type 07-5195-1100/7555 which is attached to the main enclosure.

The main enclosure and terminal enclosure provide a degree of protection of IP54.

The maximum current through the BA324 Digital Meter is 20 mA dc.

DRAWINGS

| Number | Issue | Date | Description |
|----------------|-------|--------|---------------------------|
| CI324-02 | | | |
| Sheets 1 to 18 | 1 | Oct 92 | Certification Information |



British Approvals Service for Electrical
Equipment in Flammable Atmospheres

Certificate of Assurance Variation

THIS IS TO CERTIFY THAT APPARATUS CERTIFICATE NO Ex 93Y4066

Held by **BEKA ASSOCIATES LIMITED**
of Hitchin, Herts, SG5 2DA
(formerly of Hitchin, Herts, SG5 2DD)

for the **BA324N 4/20mA DIGITAL METER**

is hereby extended to apply to the Apparatus conforming to the specification set out in the Schedules of the said Certificate but having any variation specified in the attached Schedule.

A copy of this Supplementary Certificate shall be attached to the original certificate.

File No: EECS 0121/02/007

Sheet 1/2

CERTIFICATE NO: Ex 93Y4066/1

LP



I M CLEARE
DIRECTOR EECS
21 February 1995

This certificate is issued under NACCB accreditation No. 020



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
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Certificate of Assurance No Ex 93Y4066/1

VARIATION ONE To permit the removal of window clamps when window is sealed to the enclosure using an alternative adhesive, namely Dow Corning SILASTIC 744.

This change does not affect the original safety assessment.

DRAWINGS

| Number | Issue | Date | Description |
|----------------------|-------|----------|-------------------------------------|
| CI324-02 Sheet 2 | 2 | Nov 1994 | Modification record, Type BA324N |
| CI324-02 Sheet 10 | 2 | Nov 1994 | General assembly, Type BA324N |