

British Approvals Service for Electrical
Equipment in Flammable Atmospheres



Certificate of Assurance

BAS No. Ex 96Y4522

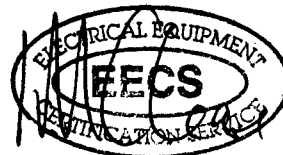
- 1
- 2
- 3 This certificate is issued for the electrical apparatus:
BA374NC INDICATING TRANSMITTER
- 4 Manufactured and submitted for certification by:
**BEKA ASSOCIATES
of Hitchin, Herts, SG5 2DA**
- 5 This electrical apparatus and any acceptable variation thereto is specified in the Schedule to this Certificate and the documents therein referred to.
- 6 BASEEFA being an Accredited Certification Body in accordance with EN45011 certifies that the apparatus has been found to comply with the requirements of:
BS 6941: 1988

and has successfully met the examination and test requirements recorded in confidential Report number:
96(C)0900 (ERA Report Ret 3627/823) dated May 1997
- 7 The apparatus marking shall include the code:
Ex N IIC T5 (T_{amb} = -40°C to 60°C)
- 8 The manufacturer of the electrical apparatus referred to in this certificate, has the responsibility to ensure that the apparatus conforms to the specification laid down in the Schedule to this certificate and has satisfied routine verifications and tests specified therein.

File No: EECS 0121/03/002

Sheet 1 of 2

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 this certificate is given on the relevant EECS Manufacturing Licence or Verification Certificate.



I M CLEARE
DIRECTOR

19 August 1997



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



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

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Schedule

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APPARATUS DESCRIPTION

A **BA374NC Indicating Transmitter** is a field mounting transmitter designed to be connected in a 4~20 mA dc process loop which is proportional to an input signal (eg from thermocouple, RTD, etc) and provide a display in engineering units.

The BA374NC Indicating Transmitter may optionally be fitted with a two channel alarm interface board and/or a backlight board.

The BA374NC electronics are arranged on six printed circuit boards including the alarm interface board and backlight board. The printed circuit boards are housed in a cast aluminium enclosure Bartec Type 07-5190-1221/2090 or 07-5100-1221/2090, or alternatively a moulded plastics enclosure, Bartec Type 07-5195-1221/2090 or GB-5195-1221/2090.

The enclosure provides a Degree of Protection IP54.

External cable entry arrangements must maintain a Degree of Protection IP54 and satisfy the impacts of 3.5 J energy.

Maximum input voltage and current from the process loop are 30 V dc and 25 mA dc respectively at terminals 5 and 6.

Maximum input voltage and current for the optional alarm interface board are 30 V dc and 100 mA dc respectively at terminals 8 and 9, and terminals 10 and 11.

Maximum input voltage and current for the optional backlight board are 30 V dc and 40 mA respectively at terminals 12 and 13.

DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
CI370-11, sheets 1 to 27	1.0	21.08.96	BA374NC Certification Information

BASEEFA List Keywords

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