

The BA327NE loop powered, panel mounting Indicator has a rugged stainless steel enclosure allowing it to be safely installed in an Ex n, Ex p, Ex e or Ex tc panel enclosure located in Zone 2 or 22, without the need for Zener barriers or galvanic isolators. The indicator has a full 5 digit display plus a 31 segment analogue bargraph with guaranteed performance between -40 and 70°C. The scale card can easily be marked to show the units of measurement and can be installed on-site without dismantling the instrument or removing it from the panel.

The main application of the BA327NE is to display a measured variable in meaningful engineering units in Zone 2 or 22. The front of the indicator has certified impact and ingress protection allowing it to be installed in an Ex n, Ex p, Ex e or Ex tc panel enclosure without invalidating the panel's impact and ingress protection.

The bold 12.7mm high 5 digit display and 31 segment bargraph provide maximum contrast and have a wide viewing angle, allowing the BA327NE indicator to be read easily in most lighting conditions over a wide temperature range. An optional factory fitted backlight is available for applications in poorly illuminated areas. The five digits, with four decimal point positions and a negative sign, may be configured to display any variable between -99999 and 99999.

IECEx and ATEX Ex nA non sparking certification allows the BA327NE, when installed in an Ex n, Ex p or Ex e panel to be located in a Zone 2 gas hazardous area without the need for Zener barriers or galvanic isolators. For Zone 2 applications the BA327NE offers a less expensive alternative to intrinsically safe and flameproof indicators. **Ex tc dust certification** also allows the BA327NE, when installed in an Ex tc panel enclosure, to be locateded in a Zone 22 dust hazardous area, again without the need for Zener barriers or galvanic isolators.

A backlight which may be loop or separately powered is available as a factory fitted option. It provides green background illumination allowing the display to be read at night or in poorly illuminated areas. When powered from the 4/20mA loop no additional field wiring is required but the indicator's voltage drop increases. Powering from a separate supply produces a brighter backlight but requires additional wiring.

Optional dual alarm outputs which can switch hazardous or safe area loads, such as sounders, beacons or solenoid valves are available as a factory fitted option. The two galvanically isolated solid state alarm outputs may be independently configured as high or low alarms with normally open or closed outputs. Annunciators on the display show the status of both outputs.

Units of measurement may be shown on the scale card which is visible through the window on the right hand side of the display. Instruments are supplied with the units legend requested when ordered, but the scale card may be easily changed on-site without removing the BA327NE from the panel or opening the instrument enclosure.

Application Guide AG310 which explain how Ex nA certified instruments should be installed may be downloaded from the BEKA associates website, or requested from the BEKA sales office.

Other models in this range include the BA307NE which has a similar specification with four 15mm high digits.

BA327NE Rugged 2-wire 4/20mA 5 digit indicator

Ex nA and Ex tc certified for installation in Ex n, Ex e, Ex p or Ex tc panel enclosure located in Zones 2 or 22

- Rugged IP66 stainless steel enclosure.
- Ex nA & Ex tc certification eliminates the need for Zener barriers and galvanic isolators.
- Loop powered only 1.2V drop.
- 5 digit 12.7mm high display & 31 segment bargraph.
- Optional backlight & alarms.
- Easy on-site scale card installation.
- Root extractor and 16 segment lineariser.
- 3 year guarantee

www.beka.co.uk/ba327ne





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SPECIFICATION

Input

Display

Type

Zero

Polarity

Direction

Over range

Push buttons

Ρ

Ε

Linear

Zero Span

Code

Cert. No.

Code

Cert. No.

Humidity

Vibration

EMC

Mechanical Terminals

Weight

Accessories

Alarms

Output

Ron

Backlight

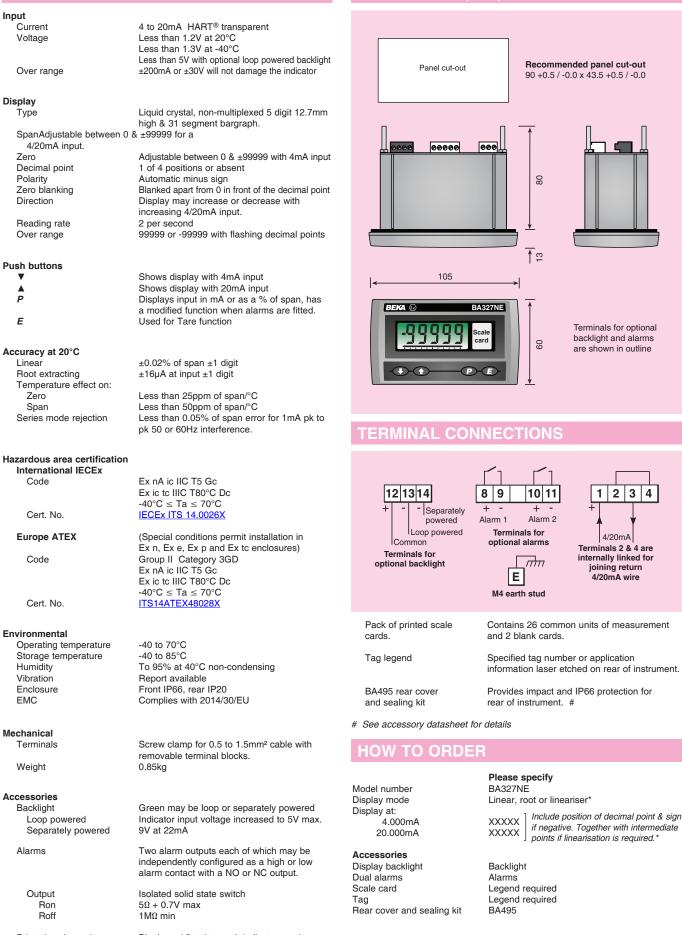
Enclosure

Current

Voltage

Over range

DIMENSIONS (mm)



Will be set to display 0.00 at 4mA and 100.00 at 20mA with a linear display if calibration information is not supplied. Can easily be recalibrated on-site.

Roff

Printed scale card

Blank card fitted to each indicator can be supplied printed with specified units of measurement.

2 3 4

4/20mA