



new 'E' range

Loop powered 4/20mA indicators

for use in **hazardous**

and **safe areas**



visit our website www.beka.co.uk

- > Large easy to read displays
- > Robust enclosures
- > Wide ambient temperature range
- > Models for use in most flammable atmospheres

BEKA
associates

New 'E' range a comprehensive solution for displaying 4/20mA signals in all process areas

Since the installation of the first BEKA intrinsically safe indicator in 1984, we have been at the forefront of loop powered indicator development. These new UK designed and manufactured fourth generation instruments are based on the accumulated experience gained from thousands of installations coupled with the latest electronic, production and certification technology, resulting in larger digits, improved visibility, more standard features and even higher reliability.

Models include field and panel mounting indicators for general purpose applications and models with international certifications for use in flammable atmospheres. All are compatible with our proceeding range so existing systems do not have to be re-engineered to benefit from the improved performance of these new instruments.



Standard features on all models

- > Large, non multiplexed, high contrast display with a wide viewing angle showing 4/20mA loop current in engineering units.
- > Less than 1.2V drop in 4/20mA loop
- > Ambient operating temperature -40°C to +70°C
- > Square root extractor & 16 segment adjustable lineariser
- > Tare function
- > Accurate calibration without external current source
- > Coated printed circuit boards provide maximum reliability
- > No charge for custom calibration, scale & tagging
- > Three year guarantee

FIELD MOUNTING INDICATORS

In robust IP66 GRP enclosure with separate terminal compartment.

Models in GRP enclosure

- 4 digit 34mm high display
- 5 digit 29mm high display plus bargraph

Models with hazardous area certification

- Intrinsic safety Ex i for gas & dust
- IS loop does not require recertification
- Ex nA & Ex tc for gas & dust
- Zone 2 or 22 applications without barriers

Optional

- External keypad
- Backlight - may be loop or separately powered
- Custom etched stainless steel legend plate
- Stainless steel pipe mounting kits

PANEL MOUNTING INDICATORS

Low behind panel profile – only 65mm

Easy scale card installation without need to remove indicator from panel. (See above)

Models in 96 x 48mm DIN enclosure

- 4 digit 15mm high display
- 5 digit 11mm high display plus bargraph

Models in 144 x 72mm DIN enclosure

- 4 digit 34mm high display
- 5 digit 29mm high display plus bargraph

Models with hazardous area certification

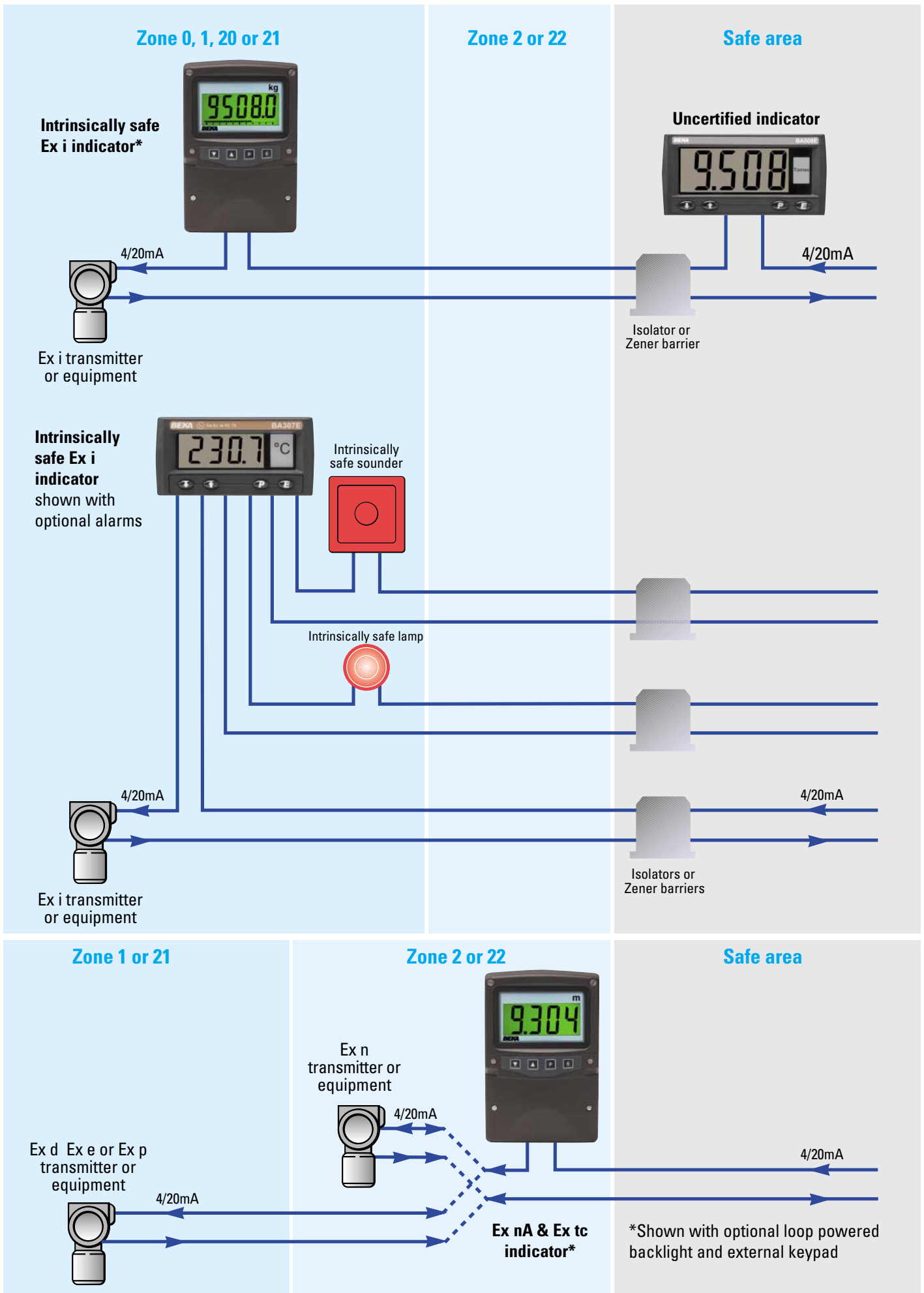
- Intrinsic safety Ex i for gas & dust
- IS loop does not require recertification

Optional

- Backlight - may be loop or separately powered
- Dual alarms with isolated solid state outputs



Typical application



Models available



	Mounting	Digits number	Display Digits height	31 Segment Bargraph	Europe ATEX		International IECEx		US FM & cFM Canada	
					Gas	Dust	Gas	Dust	Gas	Dust

Intrinsically safe - for use Zones 0, 1, 2, 20, 21 & 22

BA304E	Field	4	34mm	-	✓	✓*	✓	✓*	✓*	✓*
BA324E	Field	5	29mm	✓	✓	✓*	✓	✓*	✓*	✓*
BA307E	Panel 96 x 48	4	15mm	-	✓	✓	✓	✓	✓	-
BA308E	Panel 144 x 72	4	34mm	-	✓	✓	✓	✓	✓	-
BA327E	Panel 96 x 48	5	11mm	✓	✓	✓	✓	✓	✓	-
BA328E	Panel 144 x 72	5	29mm	✓	✓	✓	✓	✓	✓	-

Type n - for use Zones 2 & 22

BA304NE	Field	4	34mm	-	✓	✓	✓	✓		
BA324NE	Field	5	29mm	✓	✓	✓	✓	✓		

General Purpose - for use in safe areas

BA504E	Field	4	34mm	-						
BA524E	Field	5	29mm	✓						
BA507E	Panel 96 x 48	4	15mm	-						
BA508E	Panel 144 x 72	4	34mm	-						
BA527E	Panel 96 x 48	5	11mm	✓						
BA528E	Panel 144 x 72	5	29mm	✓						

*Option

NEW RATE TOTALISERS FOR FLOW APPLICATIONS

complementary loop powered 4/20mA totalisers with separate rate and total displays include many indicator standard features.

Model	Mounting	Certification
BA354E	Field	Intrinsically safe
BA354NE	Field	Type n for use in Zones 2 & 22
BA358E	Panel 144 x 72	Intrinsically safe
BA554E	Field	Uncertified general purpose models
BA558E	Panel 144 x 72	Uncertified general purpose models



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