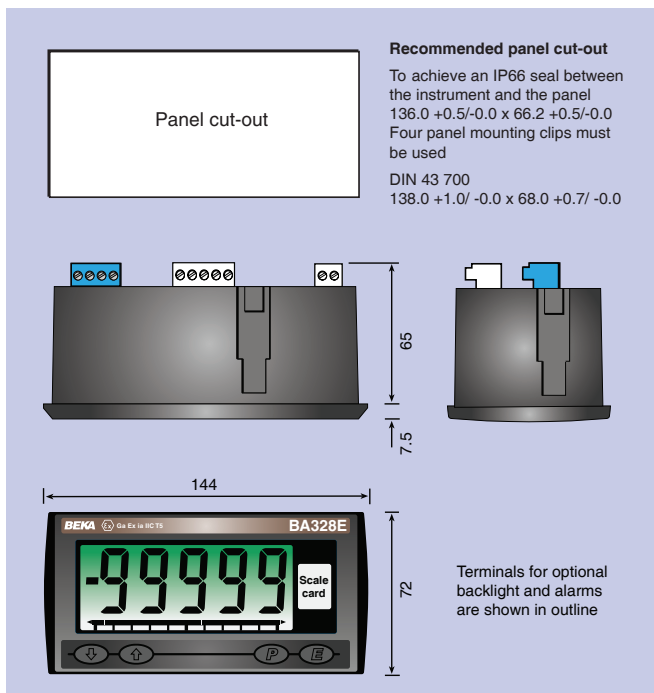




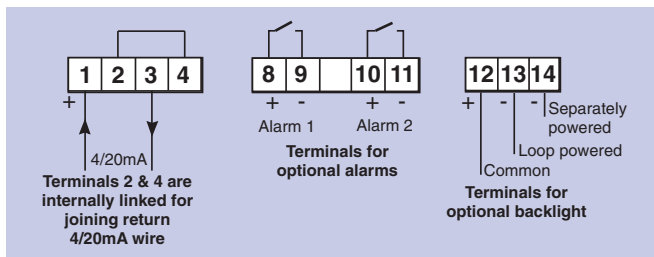
## SPECIFICATION

<b>Input</b>	
Current	4 to 20mA
Voltage	Less than 1.2V at 20°C Less than 1.3V at -40°C Less than 5V with optional loop powered backlight.
Overrange	±200mA or ±30V will not damage the indicator.
<b>Display</b>	
Type	Liquid crystal, non-multiplexed 5 digit 29mm high & 31 segment bargraph.
Span	Adjustable between 0 & ±99999 for a 4/20mA input.
Zero	Adjustable between 0 & ±99999 with 4mA input.
Decimal point	1 of 4 positions or absent
Polarity	Automatic minus sign
Zero blanking	Blanked apart from 0 in front of decimal point.
Direction	Display may increase or decrease with increasing 4/20mA input.
Reading rate	2 per second
Bargraph	31 segments 80mm long
Overrange	99999 or -99999 with all decimal points flashing.
<b>Push buttons</b>	
▼	(Function in display mode) Shows display with 4mA input
▲	Shows display with 20mA input
'P'	Displays input in mA or a % of span, has a modified function when alarms are fitted.
'E'	Used for tare function
<b>Accuracy at 20°C</b>	
Linear	±0.02% of span ±1digit
Root extracting	±16µA at input ±1 digit.
Temperature effect on:	
Zero	Less than 25ppm of span/°C
Span	Less than 50ppm of span/°C
Series mode rejection	Less than 0.05% of span error for 1mA pk to pk 50 or 60Hz interference.
<b>Intrinsic safety</b>	
<b>Europe ATEX</b>	
Code	Group II Category 1GD Ex ia IIC T5 Ga Ex ia IIIC T80°C Da IP20 Tamb = -40 to 70°C
Input parameters	
Ui	30V dc
Ii	200mA
Pi	0.84W
Output parameters	Complies with requirements for <i>simple apparatus</i> .
Cert. No.	ITS11ATEX27254X (Special conditions only apply for use in Group IIIC conductive dusts)
<b>USA FM</b>	
Standard	3610 Entity
Code	CL I: Div 1 Gp A, B, C, & D T5 @ 70°C
Standard	3611 Nonincendive
Code	CL I, II, III: Div 2 Gp A, B, C, D, E, F & G T5 @ 70°C
File	3041487
<b>Canada cFM</b>	
File	3041487C
<b>International IECEx</b>	
Code	Ex ia IIC T5 Ga Ex ia IIIC T80°C Da IP20 Tamb = -40 to 70°C IECEX ITS11.0015X (Special conditions only apply for use in Group IIIC conductive dusts)
Cert. No	
<b>Environmental</b>	
Operating temp	-40 to 70°C
Storage temp	-40 to 85°C
Humidity	to 95% at 40°C noncondensing
Vibration	Report available
Enclosure	Front IP66, rear IP20
EMC	Complies with EMC Directive 2014/30/EU
<b>Mechanical</b>	
Terminals	Screw clamp for 0.5 to 1.5mm <sup>2</sup> cable, removable.
Weight	0.35kg

## DIMENSIONS (mm)



## TERMINAL CONNECTIONS



### Accessories

Backlight	Green, may be loop or separately powered. Indicator input voltage 5V max. 11V at 35mA from IS interface
Loop powered	
Separately powered.	
Alarms	Two alarm outputs each of which may be independently configured as a high or low alarm contact with a NO or NC output. Isolated solid state switch complying with requirements for <i>simple apparatus</i> . 5Ω + 0.7V max 1MΩ min
Output	
Ron	
Roff	
Printed scale card	Blank card fitted to each Indicator can be supplied printed with specified units of measurement.
Pack of printed scale cards	Contains 26 common units of measurement and four blanks.
Tag legend	Specified tag number or application thermally printed onto rear of the instrument.

## HOW TO ORDER

Model number	BA328E
Display mode	Linear, root or lineariser*
Display at:	
4.000mA	} Include position of decimal point & sign if negative, plus intermediate points if linearisation is required.*
20.000mA	
<b>Accessories</b>	<b>Please specify if required</b>
Display backlight	Backlight
Dual alarms	Alarms
Scale card	Legend required
Tag	Legend required

\* 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.



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